Robbe

Kings College Fredericton N.B.
11 April 1862.

My dear Dr. Gray

As I have an opportunity at present I write to acknowledge receipt of your very obliging letter of the 12th March: I send this by a young man who has been here for some time as gardener to a Gentleman in the neighborhood, but who does not find the climate & circumstances favorable for the exercise of his tastes, & who goes in search of employment in the U.S. the "land of promise." Perhaps I am taking a liberty with you but you may have need, or some of your friends may have need of ~~you~~ a person who has had a careful training under the best masters in Scotland, & more particularly in the Botanic Garden of Glasgow under Mr. Murray – He is a countryman of mine, & as I often took him with me in my botanical trips, can safely recommend him for zeal & application in this cause of Flora —

I am very much obliged by this notice & specimens of your new works, & by your promise to send some memoirs titles a part - I have read one of yours in Lilleman's Jl. on foreign Herbaria with much pleasure. some only. The 2 parts of the 2d vol. Flora N.A. I have sent for from Little & Brown of Boston seeing that I was getting somewhat at the time. I expect it every day now - I rec.d the sheets of Jul. Mus. The new Elementary work shall be thankfully rec.d - In fact it was required. & I never C.d understand why such books were so scarce with you - I am always astonished at your Countrymen for boldly editing so many foreign books when it is almost as easy to write them. It is unworthy of the nation. I hope now to hear no more of translations of bookish work at least — I sh.d always prefer ~~an~~ an American ~~tex~~ book if it be original because the examples are of the country - I w.d suggest the insertion of tabular abstracts of as many subjects as possible I c.d not teach without them - M. A. De Jussieu gave us tables of every part of Botany & structural & systematic I wish you w.d give us them abundantly in your text book & systems - It is the only way for teachers - an analysis of the genera in every order ought always to be given as you do for the Umbelliferae -

I am glad that you promise remarks on the geog.c range of Pl.: I will try to write some thing on this subject one day - But my limited knowledge of Amer.n Pl. is unfavorable - nevertheless it ~~is~~ was here that I first saw plants in their natural place undisturbed by man - My locality here is not so very rich not so much so as lower Canada even - a degree East seems as bad as half a degree north at least. The nauseous odoratus is a wayside plant at Quebec but I have never seen it here & it is not rare - nor Cymbidium pulchellum or Orchis ~~odoratissima~~ stephanotis: Willd: Habenaria orbiculata is the only one I have not seen - I w.d wish you w.d mention the genera or species you seek for & any if I can. w.d wish specimens or notes only — meanwhile you'll carefully attend to what you have said. This is an ordinary season here. & our willows are just venturing to show their well muffled catkins. our river will not break up for a week yet at least. I have never seen the paper on Montrose plums nor do I know when I will be able to get it. Can you give me any reference to the journal —

Excuse this very hurried note &

Believe me meanwhile

My dear Sir

Your faithful obliged

James Bott.: Ind.

Professor A. Gray. &c &c

Cambridge

Amended rec.d ~~by Dillwyn~~ parcel yet. but expect it every day

Cou
Gac
11

Professor Asa Gray M.D.
&c &c
New York.

Mobridge, 21st Aug, 1866.

Prof. Gray,

Dear Sir,

Your letter came to hand Saturday evening. Reluctant as I am to rob you of an hour's time, with your multiplied duties I can do no otherwise than write to thank you for your letter and to make an explanation. The explanation is in some to my misconception of your opinion [illegible] on the receipt of Prof. Oliver's letter. You had previously said in a note "but we must first be sure about the Durrit's stricta of Gra.", implying doubt in your mind. Then came Prof. Oliver's letter and the enclosed sketch, ~~[illegible]~~ the first glance at which showed it to my untrained eye so totally different from the L. S. plant in its very strict ("stictissimis" gr.), [illegible] shape & nature with 2 or more

plant were distinct, but I had no evidence that you were not the discoverer,* ~~[illegible]~~ in which case (i.e. if you were) it would be particularly improper to call it ours. But I hoped at least, in revising, you would suggest a name, & if a name were to be given should still hope [illegible]

<u>Lepidium</u> — The winged pods & incumbent cotyledons, as well as different habit, long since [illegible] to me that the plant could not be L. virginicum; and now I find that it has no petals and but two stamens. If it is to be included under L. intermedium, Gr. and some alteration is to be made in the characters, will it be ~~[illegible]~~ presuming too much to ask you for a Latin description of your own plant, to be published as from you? [illegible] plant being [illegible] I think a Latin character should be given.

No letter from Dr. Engelmann. I am sure I have been indebted to him and have not only expressed in my letters my gratitude to him but have indeed felt what I expressed. The only fault I have committed must be that I did not at once answer his letter in which particular information was asked respecting Juncus militaris — which I could not give with confidence until I had ~~noted~~ its habits again. I presume I have 100 specimens made in all, some very fine. (I intend one for Prof. Bigelow.) I am "reliable", am a man of my word — and he will find it so whenever he writes to me personally. He does not indicate the number he wants. I shall prepare an equal number of fruiting specimens as well as flowering. The ~~writer~~ will oblige if it [illegible] Yours gratefully & truly

J. W. Robbins

* I had a notion that the [illegible] glabra 3? [illegible] was [illegible]

[illegible] I [illegible] refer you to remark in the letter "[illegible] right at least in regard to Drummond's plant" as leaving our plant at least doubtful, as you [illegible] not think particularly of it. Could Hooker have had our form before him, from Bourgeau or some other quarter, besides Drummond's plant & have tried to modify his description to cover all? and if he had, would he not [illegible] after substituting "stipules" have added vix petalis aut etiam petalissimis? for even the young specimens would warrant the first term & the Ebs ones stipulis would not be an untruth. I do not of my 18 specimens are stipulate."

Please indulge me & save looking up Graham's article) in quoting from him some important points of difference & contrasting the L.D. plant

Graham says "Stem smooth" (always hirsute near the base), "branches" (of mine are simple). "Leaves all smooth" (lower and radical ones rough hairy), "entire or very sparingly denticulate" (radical and lower cauline leaves sharply or spharic serrate); "leaves at the root & petioles ciliate with minute reflexed hairs" (hairy throughout with branching hairs, very rarely simple & petioles not ciliate). "Petioles erect and like every other part of the plant glabrous" (petioles & stem hairy). "Segments of the calyx subacute" (decidedly obtuse). "Capsule always erect, subspatulate" (always spreading, linear). "Seeds arranged in two rows" (almost in one row even before maturity). "Gemmæ linear, afterwards dilated at the apex" (not dilated).

These discrepancies seem to me too wide to exist in one and the same species; but if you are of the opinion that Dr. H. & Hooker intended his description should cover both forms & still think our plant should have the name Arabis Drummondi Gray &c. I will so write it. It would, I think, be best, from the rarity of the plant to republish Graham's original description & Hooker's variations.

I do not really think you would like the name Oxyarna, published to us, if the

* of course he has the ripe fruit. the turning shows the two rows

I am again practicing medicine, moderately, after having lain on my oars for some five years with at least no advantage to my health.

I am now in comfortable health; but the swiftly returning years are carrying me rapidly forward to the great change —

Most respectfully & cordially
J. W. Robbins.

Uxbridge, 16th Feb., 1878.

Prof. Gray,

Gratitude to you for your hospitality and for your many favors to me in past years, ought, perhaps, to have caused me to write to you, at least, to show that I held them in vivid remembrance: but I have, for a long time done so little in botany, except, possibly to look over a package of Potamogetons, that I could have done little more, if I had written, than ask questions, as I am now about to do.

I thank you for furnishing me the names of the L. Island Utricularia. I had supposed that I had, myself, found, even

just here, all the Utricularia that were to be found this side of N Jersey: but here are two spec.s which I had not seen except among southern specimens. ~~I have~~ I was much interested in the smaller form of U. subulata, and particularly in what looked to me like the submersed fruit of P. clandestina. Can it be that the species bears fruit in that manner? If so, I have seen, ~~[illegible]~~ nowhere, no account of it.

I wish to ask (I may have so done before) whether the specific name of P. lonchites, of Prof. Tuckerman, should not begin with a capital, coming as it probably does from the genus Lonchitis? For it does not seem to me in the adjective form.

Some years ago I visited one of my localities of the little Wolffia; viz. that in Salisbury, Conn., (the one previously found in 1829, having been in a pool in New Milford Conn.) and had the gratification of having some plants flower in my possession. I suppose it is indeed the smallest phenogamous plant in the world.

I used to mourn that the Flora of N.A. of Torrey and Gray was never completed & am even now glad to learn that you have a similar work in progress. If any new forms of the Naiadaceæ, other than those from the Pacific states, shall have ~~have~~ come to your herbarium I shall be very glad to hear about them.

[7—155.]

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CHAS. S. SARGENT,
Expert and Special Agt.

50
336

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., March 15, 1881.

Sereno Watson Esq
Cambridge Mass.

Dear Sir

Prof. Sargent, who has started for Texas this afternoon, left me instructions to arrange, in the course of the next ten days for a meeting with you, at which, with the aid of your note books if necessary, I was to mark upon maps of the country you traversed last summer, certain details which he wished on file.

Will you be kind enough to name a time, not a Saturday afternoon, when it will suit you to meet me, and state whether you prefer to have me go to Cambridge or whether you had rather come here, to the "Dwight House."

In the former case, I presume I shall find

India

Ranunculaceæ	19 — 115 = 1.00
Dilleniaceæ	6 — 34
Magnoliaceæ	8 — 27
Anonaceæ	25 — 192 = 1.6
Menispermaceæ	19 — 34
Berberidaceæ	6 — 17
Nymphæaceæ	5 — 8
Papaveraceæ	4 — 13
Fumariaceæ	4 — 31
Cruciferæ	43 — 137 = 1.1
Capparidaceæ	8 — 53
Resedaceæ	3 — 4
Violaceæ	3 — 24
Bixineæ	9 — 26
Pittosporeæ	1 — 9
Polygalaceæ	5 — 34
Frankeniaceæ	1 — 1
Caryophyllaceæ	19 — 104
Portulacaceæ	2 — 6
Tamariscineæ	2 — 8
Elatinaceæ	2 — 6
Hypericaceæ	3 — 26
Guttiferæ	6 — 61
Ternstroemiaceæ	14 — 53
Dipterocarpeæ	9 — 92
Malvaceæ	27 — 91
Sterculiaceæ	17 — 88
Tiliaceæ	13 — 110 = 1.0
Linaceæ	7 — 22
Malpighiaceæ	3 — 13
Zygophyllaceæ	4 — 6
Geraniaceæ	9 — 165 = (Impatiens, 124) 1.4
Rutaceæ	23 — 77
Simaroubeæ	9 — 16
	328 — 1705

Ochnaceæ	4 — 11
Burseraceæ	10 — 39
Meliaceæ	19 — 84
Chailletiaceæ	1 — 6
Olacineæ	23 — 66
Ilicineæ	1 — 24
Celastraceæ	13 — 105
Rhamnaceæ	12 — 57
Vitaceæ	3 — 94
Sapindaceæ	23 — 71
Sabiaceæ	2 — 21
Anacardiaceæ	22 — 107
Coriariceæ	1 — 1
Moringeæ	1 — 2
Connaraceæ	7 — 35
Leguminosæ	132 — 837 = 7.0
Rosaceæ	26 — 220 = 1.8
Saxifragaceæ	14 — 80
Crassulaceæ	8 — 40
Droseraceæ	2 — 4
Hamamelidaceæ	8 — 8
Haloragineæ	5 — 12
Rhizophoreæ	10 — 21
Combretaceæ	8 — 43
Myrtaceæ (Eugenia 131)	10 — 254 = 2.1
Melastomaceæ	21 — 166 = 1.4
Lythraceæ	11 — 45
Onagraceæ	5 — 21
Samydaceæ	3 — 26
Passifloreæ	3 — 12
Cucurbitaceæ	29 — 72
Begoniaceæ	1 — 65
Datiscaceæ	2 — 2
	328 — 1705

	328 — 1705
Cactaceæ	1 — 1
Ficoideæ	7 — 16
Umbelliferæ	37 — 154 = 1.3
Araliaceæ	18 — 56
Cornaceæ	7 — 19
	838 — 4600 = Polypetalæ = 38.3
	350 — 2076
	1188 — 6676 % Apocynaceæ
	595
	6041
	12162 = probable total
	120 = 1%
	12
	24
	36
	48
	60
	72
	84
	96
	108

you at the Botanic Garden – in the latter, please bring your note books with you.

I should like to have a couple of days notice as it is possible your convenience may change a day on which I may be absent.

Yours respectfully
Rud^w Robeson
Sp. Agt., Asst.

5 - 49	Caprifoliaceae			5 - 27		
10 - 611	Rubiaceae	= 5.1	Bouvardia [illegible]	8 - 149	(Galium 94)	
4 - 17	Valerianaceae		Psychotria 52	4 - 52		
4 - 17	Dipsaceae		Kasia [illegible] 52	10 - 77	Senecio 61	
121 - 605	Compositae	= 5.0	Senecio 63	151 - 1365	Cirsium 61	
1 - 3	Stylidiaceae			–	Centaurea 171	
1 - 2	Goodeniaceae	1-1		–	Hieracium 185	
13 - 65	Campanulaceae	10-50		12 - 153	Crepis 64	Campanula 94
4 - 47	Vaccinaceae		Rhododendron [illegible]	20 - 48		
9 - 62	Ericaceae	24-130				
3 - 3	Monotropaceae					
1 - 1	Epacridaceae			Lonicera 1 - 2 =		
1 - 1	Diapensiaceae	4-4		1 - 1		
6 - 9	Plumbaginaceae	3-4		6 - 107	Statice 52	
9 - 79	Primulaceae	12-35	Primula [illegible]	16 - 92		
11 - 88	Myrsinaceae	3-4	Ardisia 41	–		
[illegible] - 55	Styracaceae	5-5		–		
2 - 65	Oleaceae	1-2	Olea [illegible] 17	2 - 2		
2 - 70	Strychnaceae	3-9	[illegible]	–		
10 - 84	Gentianaceae	6-29		7 - 14		
3 - 5	Solanaceae			–		
39 - 135	Hydrophyllaceae	= 1.1	9-20	3 - 6		
350 - 2076			93-[illegible]	245 - 2096		
227 - 1299			H. S			
123 - 777				Myrsinaceae		
Indian						

Strassburg i/E.
Nov. 16th, 1889.

Professor Watson,
Curator of the Harvard Univ. Herbarium,
Dear Sir:

Dr Farlow writes me that you want an assistant in the Herbarium. The position would undoubtedly require considerable knowledge of systematic botany and my preparation has thus far been rather in the direction of anatomy. Nevertheless, if you think I could do the work you wish, I should be very glad of the place.

I had intended to remain in Europe until next June, studying first under the direction of Strasburger in Bonn, then of van Tieghem at Paris. In case however that you should desire it I would gladly return much earlier, and should

Wood
Dennis
Mueller
Pelz

in the mean time direct my studies, as you might suggest, so that I would be better prepared for systematic work on reaching America.

That you may judge of my qualification in general for botanical work I send you a copy of my dissertation. Of a former paper on the Genus Taphrina published some time ago in the Annals of Botany I have unfortunately no extra at hand. I am now just completing another anatomical paper, of which I will send you a copy as soon as it is published. I shall be glad to give any particulars you may wish to know about my studies. I think however that Professor Farlow knows of my work both at Harvard and here at Strassburg and can probably give you more satisfactory information than I personally.

In case you give me the position I am confident I can adapt myself to the work and give satisfaction.

On leaving Strassburg in a few days I shall go to Bonn, where I shall hope to hear from you in the care of the Bankgeschäft von Jonas Cohn, Bonn a/Rh.

Very Respectfully
Benjamin L. Robinson

My Dear Sir,

I was pleased to receive your letter of 16th ult.

The assistant that is needed here is one who can soon take charge of the main work of the Herbarium and leave me free to give the most of my time to the flora of N. America. The work requires of course not mainly a knowledge of Systematic Botany only, and especially of the flora of North America, though in the times of recess that would be spent in acquaintance with the methods of "phy." botany will stand in no disadvantage. A good part of the work is almost mechanical but requiring care & familiarity with plants, as the overseeing the poisoning & mounting of the specimens the laying them out on sheets ready for mounting, and their distribution in their proper places in the Herb[illegible]

Memorandum

To

From W. A. Stiles
Office of Garden and Forest
Room 107 Tribune Building

New York 21 Dec 1889

Dear Mr Watson

I enclose proof of cut of Rosa fulvolosa (I think). Will you kindly furnish the descriptive text for the paper we make up next week?

Yours &c
W. A. Stiles,

All this can be learned only by practice. Then there is the determination of plants sent here for names, which requires an intimate knowledge of our flora and of its literature and an ability to use books in tracing up the relationships of plants & assigning them to their proper genera & species. This also can come only from practice, and nowhere can the proper skill & readiness be acquired better than right here. The chief requisites are a good memory, good judgment, & a quick eye for characters. The future to which the right sort of man could look forward would be a permanent position as curator of the Herbarium & ~~and~~ rank among scientific botanists equal to his abilities. ~~[illegible]~~ ~~[illegible]~~ No better opportunity could be offered a systematic botanist in this country. As for salary I hardly know what to say positively. The Herbarium has been until quite recently ~~[illegible]~~ ~~[illegible]~~ very much hampered by want of funds.

Austin Texas
Nov 20-89

Mr S. Watson,
Dear Sir
I expect to leave in a few months for Argentine Republic to spend about a year in more minutely observations on the agricultural and botanical resources of the country. Can I make myself pecuniarily valuable to the University.
References upon request.
Respectfully
C. P. Stiles
Austin
Texas

~~The entire income now is between 2,000 & 3,500 dollars.~~

~~And~~ my own salary has ranged from $500 to $1500. ~~There is some prospect of~~ It is probable that measures will be taken shortly to increase the fund and that decent salaries can then be paid. If you would be satisfied with 600 the first year, which might be considered a year of training and trial, ~~there is~~ I have no doubt that better could be done afterwards. You know what Cambridge is as a place to live in, and I understand that the matter of salary is not ~~an~~ a matter of as much importance to you as to some. I can judge how far this would go toward paying your expenses. Should you still be disposed to accept the position, the sooner you can begin your work the better, I think. There is nothing that you can do in Europe in the way of preparatory study that you cannot do better here. The only thing that I would suggest as perhaps advisable, if convenient, would be a visit to some of the large herbaria as may be in your way, so as to have an idea of them and how they are conducted — such as those at Geneva, Berlin, Paris, Kew & the British Museum, and to form the acquaintance of the more prominent botanists of the day.

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Commission Hide and Leather Dealers,

242 & 244 Purchase Street.

Boston, July 7 1884

Mr. S. Watson
Harvard Botanic Gardens
Cambridge Mass.

My Dear Sir

Please tell me the name of the enclosed plants. One of them I call Dahlia the [illegible]

Coblengerstrasse 3 (Pasteur)
Bonn, Jan. 10th '90.

Dear Sir:

Your letter of the 23rd ult had just been received. I am much pleased that you think favorably of my application, and I hope I shall be able to fill the position acceptably. I am glad of your suggestions in regard to visiting the large herbariums and will arrange to see the collections at Paris and London, if possible making the acquaintance of those in charge of them.

As to the time of starting for America; I think of sailing about the 1st of April, two months sooner than I had expected. On reaching America I could hardly begin work for two or three weeks as I want very

much to make at least a short visit to my home in Illinois, not having seen my family for nearly three years.

If however you want me to come sooner, please let me know immediately, and I will arrange to sail earlier and come directly to Cambridge, postponing the visit to my home.

My address until Feb 15th will be as above; after that time I shall be going rapidly from place to place but letters will reach me if sent in the care of MM. Monroe et Cie. Banquiers, Paris.

Yours very Truly
Benjamin L. Robinson

Bloomington, Illinois
April 4th, 1890.

Dear Sir:

Your favor mailed about the 1st of February was awaiting me on my arrival at Paris. You were very thoughtful and kind to send the letters of introduction. They secured me very cordial welcomes at London, Kew, and Paris and I thank you very sincerely for them. It scarcely seems worth while now to write of my visits to the collections just named

as I shall soon have an opportunity to talk with you in person.

We sailed from Antwerp on the 22nd ult and had a long voyage being out thirteen days on account of constant headwinds and some stormy weather. We are now enjoying the best part of European travel, the getting home.

I should like to ask if it will be satisfactory to you if I am in Cambridge by the 25th inst. As my family will remain somewhat longer in the west, I shall not be delayed by preparations for housekeeping until later and can begin work with you almost immediately on my arrival in Cambridge. Should you find the 25th longer than you can conveniently wait for an assistant please let me know and I will arrange to come earlier.

Yours very Truly
Benjamin L Robinson

P.O. Box 1066.

to Miss Clark, Prof. Barnes and Mr Fernald.

Thanking you in advance for your kind attention to my manuscript I am

Yours very Truly
Benj. L. Robinson

Permanent Address during the summer – Box 1066
Bloomington, Ill.

Bloomington, Illinois,
June 1st, 1891.

Dear Dr Watson:

Enclosed you will find the manuscript for the Proc. Am. Acad. I should be very much obliged if you would kindly look over pages 11 to 14 and 45 to 50 especially, making such changes as suggest themselves to you. I am sorry to trouble you but shall have to ask you to insert the numbers of Pringle's specimens of *Desmodium Jaliscanum* var? *obtusum* on page 3 of the manuscript,

and of Symphoeus Pringlei page 19. I find that I have omitted these numbers in copying my notes.

On considering finally the Bassovia matter I have concluded that the new species had better be referred to that genus rather than to Brachistus. The reasons in brief are that the two genera are insufficiently separated on the depth to which the corolla and calyx are divided, and if the new species with truncate calyx and deeply cleft corolla is placed in the same genus with Brachistus Pringlei with strongly toothed calyx and nearly truncate corolla it is impossible to see on what further grounds the genera could be held apart and we would be arbitrarily selecting the younger of the two names.

I am having a very pleasant vacation and getting a great deal of out of door exercise but have not been feeling quite so well as I had hoped. Mrs Robinson is still visiting her parents in the northern part of the state but will join me here in a few days. Early in July two of my brothers and myself expect to start British Columbia by way of Winnipeg and the Canadian Pacific, returning by California and Colorado.

Please give my regards

Bloomington, Illinois,
June 20th 91.

My dear Dr Watson:

Your two kind favors received. Many thanks for the stamps. With regard to my paper, I think I should like altogether one hundred and fifty (150) copies and should wish them provided with cover and title page. I hope that the proof may come before I leave for the west. If, however, the manuscript is sent with

the proof I think Mrs Robinson will be able to correct all such errors as may have crept in with the type-setting.

Some days ago I received a card from Mr Pringle but unfortunately he does not appear to recollect much in regard to the points about which I had inquired

Mrs Robinson joins me in sending warmest regards.

Yours very Truly
Benjamin L. Robinson

Bloomington, Ill.,
Aug. 14th, 1891.

Dear Dr Watson:

Your kind favor of the 7th inst at hand. It was very good indeed of you to correct the proof of my paper and I thank you sincerely for your kindness. In regard to the extra copies, I think those already sent will be enough for me at present and I will ask you to keep the rest for me two or three weeks. I am glad you sent copies to Autran and if you feel inclined to

Please just look a little over the remarks & the Illinois Phys to see the reports & the extracts

It was of course a little hurried. Both of my brothers being business men did not feel that they could extend their vacations beyond one month.

We went by the Canadian Pacific to Victoria, making stops in the Rockies and the Selkirks. Thence southward as far as Monterey, making stops at Tacoma, Portland, Sisson's near Mt Shasta, and San Francisco where I visited the Calif. Acad. rooms meeting the Brandegees. In returning we came by the Central Pacific and Denver and Rio Grande, stopping several times. We were greatly favored by fine weather throughout the trip.

Mrs Robinson and children are very well and join me in sending warm regards to you and family. Miss Bissell and Miss Watson, please remember us very kindly also to Miss Clark and Mrs Fernald.

Yours very truly
W. L. Robinson.

send out other copies as you distribute your own paper, please do not hesitate to do so. I will settle with you later for the additional postage which you pay.

I have delayed answering your letter a day or so, in the hope that I could tell you something definite as to my return to Cambridge. I had about decided to take the chances of any further difficulty with the arsenic, but consulted my physician here, in whom I have great confidence, and found that he agreed very decidedly with Dr Wilbreth that I should secure other employment if possible. He says that if a person has shown any susceptibility to poisoning from arsenic even a very gradual absorption of arsenic will be likely to lead in time to serious consequences.

I have accordingly been looking about for a place to teach and am just now negotiating for a position in Miami University in Ohio. I have as yet no reason to think that I shall get the place but will know in a very few days. Should I fail to secure the place in question I should be glad to return to Cambridge if you desire it. In spite of the doctors, I do not think the risk from the arsenic will be very great.

The trip to the far-west was very delightful indeed.

Cedar Rapids, Ia., Dec. 7-[illegible].

Dear Sir:

We desire to secure a first class man to teach in Natural History including Biology, Botany and Zoology. We desire him to be thoroughly well grounded in some branch of work and a thorough and inspiring teacher.

Mr. Geo. H. Robinson has been given to us. Please give us your opinion of his capabilities. Please [illegible] anything you may have to add that is important in regard to him or any other matter will be helpful to us.

Please send us [illegible] of your letter to Mr. Dean Wilson, Carnegie Building.

Yours very truly,

Dictated

W. F. Kirk
Pres't of Cornell College
Mt. Vernon Iowa,

Dr. Serero Watson,
Curator of the Herbarium,
Harvard University,
Cambridge, Mass.

My dear Professor Watson

I believe I have not to get acknowledge the receipt of "Contrib. to Am. Botany XVIII" which I ought to have done before. However it was none the less acceptable. Please accept the belated thanks.

Yours

Very truly Yours

John Robinson

Cambridge,
Oct. 8. 91

WALDO ROSS.

31, Otis Street,
Boston, March 13th 1889.

Dr. Sereno Watson
Dear Sir:
I have the two volumes of the "Flora of N. America" as originally issued
Vol. II - Part I and Vol. I - Part II
I understand that there is a Supplement to these two volumes, which I would like to have.
I also want two (2) copies of the list of Dr. Gray's writings.
Will you kindly send these to me by express or post and name price, and I will send you a check to your order.

Respectfully
Waldo O. Ross.

Sent 14th
$1.00

to issue in the autumn of the coming year a first class illustrated periodical devoted to Horticulture arboriculture and many allied matters and among many other departments hope to have one for illustrating all our noble hardy trees. I think it better to show a fine specimen of your tree from its native land than one from our own gardens. I am not sure that I could find any such specimens (the ship is plunging a good deal) in our gardens or groves as I saw at Boston. Indeed I think the tree is not at all sufficiently well known to the Britishers. I brought home many fine photographs of the Californian trees. Hitherto people have usually figured small + imperfect garden specimens.

It is my present intention to have an edition of my "Garden" specially prepared for the American climate + to issue it simultaneously in America + England, apologising for troubling you about my wants. I am dear Sir

Yours very truly W. Robinson

Dr. Asa Gray.

28 Scarsdale Villas
Kensington
London W.

P.S. Should you at any time require any of the rarities or curiosities among the hardy plants in European gardens let me know & I shall have great pleasure in sending them. W.R.

Steamship Olivia.
Off Atlantic Dec 12.

Dear Dr. Gray,

Here I am in mid-ocean & your box of apples somewhere beneath. Many thanks for the plants + your note - kindly bear me in mind when you happen to have any seeds of hardy things as I am very fond of all these. I must try those beautiful geraniums of yours some day + have no doubt about succeeding. ~~Many~~ Many thanks for the collection of papers on the Californian plants. I found some very interesting plants on the hills near Salt Lake City.

(You did not name O. W. Holmes among the gardeners you were kind enough to ask me to meet yet I think from his books he must be a true gardener! I wished very much to see him — another Boston treat deferred. He is very fond of the American Elm. + perhaps if you meet him you would not mind asking him where I could procure a true + good photograph or sketch of a really fine specimen of this tree

I am preparing

Westminster Hotel
New York
Nov 30 - 70

Dear Dr. Gray.

I found a Bryanthus on the summit of the Sierras - where I spent a few pleasant days since I wrote to you. Will you kindly drop me a line telling me where you have described any of the members of the genus so that I may be able to determine my plant if such. I have ~~a~~ some nice living specimens. I have no specimens (dried) to send you but probably you know the plant very well. It grows on the "summit" & Dr. Kellogg gathered specimens of it. I shall have great pleasure in taking your apply to Dr. Hooker or anything else you may have to send. I start on 7th inst. but must be packed up a day or two before that date. I brought some specimens from Bolander for you

how shall I send them to you? I could easily contrive to spend a day or two in Boston before going home but less than a month about there would not satisfy me so I defer the pleasure. I think it was you that kindly gave me an introduction to Mr Hunnewell — I was charmed with the place & proprietor!

I am, dear Sir

Very faithfully & respectfully Yours

W. Robinson

Dr. Asa. Gray

is so inventive & so strong perhaps you will some day attempt it. Seriously, I hope we shall one day, even in my time, be so united that ~~all~~ in future all wars & rumours of wars shall be impossible between us.

Watkins' splendid photographs give me all I require as to the big Californian tree but I do not know where to find worthy pictures of ~~the~~ good old specimens of your grand Eastern deciduous trees. If you should hear of any Eastern Watkins kindly bear me in mind.

Can I be of any use to you in obtaining rare books etc in London? I am rather successful in this way.

Kindly remember me to Mrs. Gray — I sometimes regret, I may as well confess it, that nearly all the really nice women I have ever seen were married. Though it is very rare indeed that one of

P.S. Of course I will go again to America & next time for a year or more if necessary.

F.W.P.

London

Feb 14. 1871

Dear D. Gray

Thank you very much for your kind letter: bearing in mind how busy you must be I almost hesitate to write to you. A copy of the smallest photograph Dr. Holmes speaks of will do very well indeed, with a word as to the height of the specimen.

When in New York I noticed Dr. Thurber worked very hard indeed — scarcely stopped for anything so I was not surprised to hear of his illness. Some are so injuriously diligent as to fill their graves 20 years before their work is done.

Thank you for the "Proceedings" which will prove very useful to me as I take a great interest in the little Phloxes & other plants so well treated of therein.

I heartily wish we could bring this one horse bit of a country across the big sea and anchor it somewhere off Boston harbour so that one could see one English-American friends oftener. And as your branch of the family

14 Feb 1841

them is secured by a Botanist.
Who, like myself, is frequently
obliged to console himself with
flowers of a less exalted type.

Bearing in mind your
love for beer I am wishing
I could send you by quick
post a tankard of foaming
bitter, which however, I never
taste. I love Tomatoes as well
as you love beer - & found
great consolation in some

tins of these that I brought with me from New York. I brought a great many things over but my friends were more amused at the Pop corn than anything else.

Again thanking you very much

Dear Dear D. Gray apologizing for having written so hurriedly before

always faithfully Yours

W Robinson

D. Asa Gray

THE GARDEN OFFICE,
37, SOUTHAMPTON STREET,
COVENT GARDEN, LONDON, W.C.

May 23rd 1875

Dear Dr. Gray

I shall be greatly obliged if you will send me this paper: also the one on the Beaudthus by Mr Watson & any others of the same nature you may have at hand. I sent you a vol. of the Garden (dedicated to Dr. Torrey) by Mr. Ruin who was here last year. If it be of any use to you for your private library. I shall have great pleasure in making you up a complete set, I have improved it this year I think and am preparing something quite new in weekly journalism for the coming year — first rate & original coloured plates — Wishing you enjoy good health so that we may get a deal more good work out of you! I am dear Dr. Gray

Yours always truly

T. W. Robinson

Dr Asa Gray.

THE GARDEN OFFICE,
37, SOUTHAMPTON STREET,
COVENT GARDEN, LONDON, W.C.

June 21st 1875

Dear Doctor Gray.

I am very glad to hear from you! I regret you did not get the vol. sent by no. 2 in: It was the one I dedicated to Dr. Torrey. who was, I need not say, very kind to me at New York. tho. it was not for that reason I placed his portrait in the vol. referred to.

I have had some complete & illustrated articles on certain families of plants such as the Lilies & Daffodils which I thought would interest you and therefore I send these there are many more require to be done & ~~therefore~~ I hope to deal with them in succeeding volumes. I shall most gladly send you the garden but as it has ~~ceased~~ not been ~~sent for~~ so long now. I will wait till a complete change that I am preparing for is made. From the commencement of the coming year I intend making

the garden a richly illustrated magazine (in colour I mean, while all the old features will be preserved. I feel the time has come to use colour in a weekly: I am sorry to say I forgot "Alpine Flowers"! I am now busy getting out a second vol. of coloured plates of the important genera to accompany Vol I. & same size & shall have great pleasure in sending both together as soon as Vol-2. is ready

I have a good man at work now drawing the alpine plants from living plants in Backhouse's collection, and I believe we shall have something that will interest your Boston people who seem to know so much about good gardening. I would most gladly have original faithful & delicately cut drawings made of Mr. S. Watsons Bouttereas if he would not mind lending me an authentic specimen of each! With these I would embellish his important paper. If you know him kindly mention my desire to him. I am glad you gave us pottering with

21 Jun 1875

THE GARDEN OFFICE,
37, SOUTHAMPTON STREET,
COVENT GARDEN, LONDON, W.C.

(5)

June 187 7

the garden and that we shall have the pleasure of seeing your Flora of North America. Your agricultural papers seem to be making rapid strides in improvement what it may come to some day I often think, I have had a long & severe but successful struggle with the garden which I hope to make something different from anything of the kind that now exists & not without interest to botanists. We shall see. You are probably aware that Ruskin is trying his hand at "botany" in the new issue Proserpina. I see he has one of your

books & keep it. Is there a Phlox rivalis in existence in the United States & where? Have the Phloxes ever been done? I mean well done as those monographs by Mr Watson and yourself. What a glorious "time" one would have in "hunting these plants up" along the Sierras in flowering time! We have the Lewisia in flower here now: also Lupinus subcaulis spectabilis - gloriously strong & handsome in the artificial bog formed by an acquaintance of mine. I have pleasant memory of my visit to you at Cambridge & shall be glad if you will kindly remember me to Mrs. Gray. Wishing you long & pleasant days for the "good work" believe me dear Doctor Gray

Yours always truly

W. R. Gerard

Doctor Asa Gray

THE GARDEN OFFICE,
37, SOUTHAMPTON STREET,
COVENT GARDEN, LONDON, W.C.

187 7.

Dear Doctor Gray,

Mr Sprague drew some of the smaller phloxes for me & I have had them nicely engraved. I have in all 8 or ~~9~~ cuts & I propose to publish with them a pretty coloured plate of one of the dwarf alpine species. I shd much like to have the genus done in plain English by some competent person. If you can recommend anybody who could do it I should be greatly obliged. I am publishing now in the Garden monographs of the more important genera of hardy plants usually illustrating them & publishing them all in one number of the paper. I send you a plate of an American plant I have lately published. I was the first to try the experiment of issuing plates with each no. of a weekly journal & the experiment has succeeded admirably. Apologising for troubling a very busy man, I am dear Dr. Gray

Yours very respectfully

W. Robinson

Dr Asa Gray.

Rostock in Mecklenburg
27 August 1880.

Sehr hochverehrter Herr College,

Ihr freundliches Schreiben erhielt ich am vier und zwanzigsten Juni, konnte dasselbe aber nicht früher beantworten, weil am neunzehnten desselben Monats eine halbseitige Lähmung mich plötzlich betroffen hatte. Jetzt in der Besserung begriffen, beeile ich mich Ihnen zu sagen dass die Aster und Solidago des Lamarckschen Herbariums Ihnen zur Verfügung stehen. Da ich noch nicht ausgehen kann und mein Herbarium im Universitätsgebäude aufgestellt ist, kann ich Ihnen

nicht sagen, welche Species vorhanden sind, zweifle jedoch nicht daran, dass Sie alle Arten darin finden werden, die Lamarck und Poiret im „Dictionnaire de botanique" aufgestellt haben. Ein junger Zuhörer von mir wird, wenn ich nicht selbst Sie begleiten kann, Ihnen mein Herbarium zugänglich machen und daselbst behülflich sein.

Mit aufrichtiger Verehrung
Ihr achtzigjähriger
College
Joh. Roeper.

Roeper

Rostock, Mecklenburg 6 Février 1881

Mon cher et illustre Collègue!

Ma santé toujours encore altérée ne me permettant pas encore de sortir je n'ai pu Vous repondre aussitôt que je l'aurais voulu. Aujourdhui je dois me borner à la courte notice qu'un Aster salicifolius ne se trouve pas parmi les Asters de l'herbier Lamarck, que j'ai soigneusement revu moimême. Peutêtre que je pourrai bientôt Vous indiquer ce qu'il est devenu, c'est à dire dans quel autre herbier il s'est égaré – per fas aut nefas. Je poursuivrai mes recherches à cet égard incessament et ne tarderai pas de Vous faire part sans délai du résultat de ces investigations detectives.

Il parait qu'en Angleterre on a pensé un moment à l'acquisition de mon herbier (y compris celui de Lamarck). Maintenant notre grand duc l'a fait acheter pour son université de Rostock et cela pour la somme que je demandai de l'étranger, tandis que j'avais à diverses occasions declaré n'en demander pour l'Allemagne que 1000 Lr. Sterling.

Donc ce précieux herbier est sauvé pour la science et sera à l'avenir aussi accessible aux botanistes qui viendront le consulter ici – mais on ne l'enverra plus dehors, ce que j'ai fait plusieurs fois autrefois, quand je pouvais agir selon ma volonté.

J'aimerais bien connaître les traits d'un cher collègue duquel je fais un si grand cas et j'ose appuyer ma prière par la photographie incluse (à titre de mendiant.)

Je me recommande à votre bienveillant souvenir.

Your truly devoted

J. Roeper.

Washington. May 24th 1858

Dear Sir —

I received your letter of the 20th inst —

The drawings for the Botany must not exceed $1000. (one thousand dollars) It would be well to keep them rather within that sum —

I have heard that Mr Hostetter particularly excells in botanical drawing and your services in superintending them would be most valuable but I must say frankly that no money has been appropriated beyond the sum which is say legitimated would be barely enough to pay for the drawings —

I think that the best thing which can be done is to be in the drawings at once — and I shall be very glad that

Mr. Forchstein should undertake them —

I presume that I shall be absent from Washington for a month or two on duty in the Gulf of Mexico — In the meanwhile any letter directed to

Lieut Henry K. Stevens, Washington D.C. will be attended to —

Very respectfully
Your obt Svt
John Rodgers

Dr Asa Gray
Harvard University
Cambridge
Mass

Washington. March 21st 1840

My Dear Sir —

I received your letter of the 19th this morning — I do not regard the arrangement with Mr Bentham as a thing to be specially regretted. We shall gain as much, if he gives us credit for our contributions; and the world more, in having a better work on the Botany of Flora, than if the parts of the Journal Workers, were separated —

I have not made any proposition to Congress to publish our labors, except charts; — I hope next session to have the various manuscripts collected, and ready —

The present is not a favorable time to succeed. In

such a proposition –

Congress has a mania just now against publishing books – It is I think a temporary insanity and will soon pass off – At present besides the legislators are making presidents and economy is one of the cards which both sides are willing to play

Next session I will take counsel with Professor Henry and other scientific gentlemen and attempt to get a bill through – I will see Professor Henry in regard to the matter of publication –

Very truly Yours
John Rodgers

Professor Asa Gray
Cambridge
Mass

W B Rogers

1. Temple place
Boston Jany. 28. 1860

My dear Professor.

I have this moment received your note and will send you the abstract of my remarks on Botanical Bills on Monday, being now so occupied as to be unable to recur to the subject.

When you called yesterday I was in attendance on a Committee at the State House, in behalf of a Memorial which it fell to me to prepare on the subject of a reservation of Back land for Scientific, & Educational institutions. I report

that I regretted leaving you, as I wished to have a talk about Darwin's book & other allied matters. & to know what had occurred at the Academy on Wednesday before I arrived.

Your appreciation of my remarks is very gratifying — I know Darwin too well as an individual & as a man of science, but to feel assured that he may have a fair hearing. As to the geological matter the tone of criticism was very obvious —

I hope to see you soon in Cambridge. Take care of what days and hours you are most at leisure —

Very truly yours

William B Rogers.

P.S. Dr Hooker's paper has greatly interested me.

Prof. Asa Gray

W B Rogers

Hotel Berkeley
Boston March 27. 74

My dear Prof. Gray

The Club with I know be delighted to hear you. The fact will give due notice of place & hour.

With the pleasant anticipation of seeing you & listening to you. believe me Yours faithfully

William B Rogers

Prof. Gray.

10 St Leonards' Terrace
Weymouth. Saturday
Oct. 23. 1869.

Dear Professor Gray

I am greatly sorry that I should have been so unfortunate as to be away from Oxford just this particular day in the afternoon only of which have I received your letter. I hope you may have been disappointed and able to put off your visit and in this hope I console myself a little. But I could not get away from here as it happens without very great inconvenience at this late time of the year and of the week on account of the few trains and my many engagements. Dr Acland will however be in Oxford now and you will if you do come or able to see him which you did not do when you were at Oxford before.

Still I hope you may have contrived to put off your visit and that I may have the great pleasure and honour of having you in my house. at any rate I hope you will have found shelter there if you have come down —

I am
Yours very truly
George Rolleston

Professor Asa Gray &c &c

Rotterdam

Professor Asa Gray

Clarendon Hotel

G Rolleston

Park Grange
Oxford. Oct. 22d

My dear Dr. Gray

I regret so very much and so will Dr. Rolleston when I send him your letter that he is from home for a few days and does not return till late on Monday afternoon if it were possible for you to change your plans and come down on Saturday the 30th – it would give us such great pleasure to see you, but from what you say I am afraid your plans

being dependant on others cannot be altered. I will in any case get orders for you and your party to the services on Sunday at Magdalen's New Chapel, and will you give me a line to say to what hotel I may send them, or will you kindly look in on me on Saturday evening or Sunday morning to carry them off. With kind regards believe me dear Dr.

Yours very sincerely

Grace Rollestan.

Your handwriting reminds me so much of dear Dr. Booth's, and as there are family hands as well as family voices &c. you must be in some way related to him at all events if not in the flesh, in the spirit. —

which he has implanted in us to ~~worship~~ worship him, merely because we cannot find evidence enough to believe this that or the other doctrine of dogmatic theology.

But I do not know why I should thus trouble you with my troubles, unless it is that the kindness of your letters has broken through the bars by which we usually imprison such feelings from the world. Anyhow I thank you for that kindness, & hope you will forgive this somewhat odd requital.

Very sincerely yours,

G. J. Romanes

18, CORNWALL TERRACE,
REGENTS PARK, N.W.

Dec. 30th/83

Dear Professor Gray,

I sent my papers to you as a return for those which you kindly sent to me, and for which I ought to have written to thank you before.

I quite agree with your view that the doctrine of the human mind having been ultimately evolved from lower minds, is not incompatible with the doctrine of it having been ultimately due to a higher & Supreme Mind. Indeed,

I do not think that the theory of evolution, even if fully proved, would seriously affect the previous standing of this more important question.

The sorrow is that this question is so far removed from the reach of any trustworthy answer. Or, at least, such is the sorrow if that answer when it does come is to prove an affirmative. If an eternal sleep is to prove it a negative, we doubt it is better to live as we are there in the certainty of a Godless universe.

But although we cannot find any sure answer to this momentous of questions, I cannot help feeling that it is reasonable (although it may not be orthodox) to cherish this much faith — that if there is a God whom when we see we can truly worship as well as dread, he cannot be hypothesis be a God who will thwart the strong desire

Read

No 341 East 15th St,
New York June 13th
1872.

Dear Professor:

Many thanks for your kind note; Mr Beard shall have it at once.

I shall not go to California, but remain here for a couple of months to finish up one or two investigations that I have on hand.

Recently I have contrived an apparatus for studying the comparative powers of different substances for reflecting sound. The reflecting surfaces need not be larger than visiting cards, and the experiments are suitable for large audiences. I have also discovered a new electrical figure — engraved on glass, and full of beautiful details

which are suggestive but complex, and will require much study - The figure is semi-microscopic and when I make one for Gibbs, I shall take the liberty of enclosing one also for you -

Meantime I know you will be glad to hear that I am in the act of finishing the 3rd and last part of my paper on the duration of the electric spark -

Please remember me most kindly to Mrs Gray, who will perhaps remember meeting me at Dr Jones's

Very Sincerely
O. N. Rood

Prof Asa Gray -

Washington D.C.
Aug 16th 1887

My dear Mr. Watson:

I send you today two specimens of Eriogonum from Grove Island. 706 I take to be what Greene has just described as E. Pondii.

703 is very much like the San Quentin plant (729) I left with you but with longer pedicels; it hardly suits any E. fasciculatum that we have in the herbarium.

Very truly
J. N. Rose
Assist. Bot.

Washington D.C.
Aug 30th/87

My dear Mr. Watson:

The lipaea ramosa is reported as being very abundant in Kentucky on tobacco & hemp. Do you know how extensively it has become introduced in this country

Very truly
J. N. Rose

C. [illegible]
[illegible] - Aug. 30

Washington D.C.
Sep 19th 1889

My dear Mr. Watson:

I send you today several species of Astragalus which I wish you would look over when you have time. The one marked A. Nuttallianus is clearly one called. I send frank for the return of the mounted sheets.

Respy
J. N. Rose

A. gracilidosus

Washington D.C.
Dec. 10th 1880

My dear Mr. Watson:

I send you today some plants from Guadalupe Island.

Two or three have given me some trouble and as I lack some of your leaflets I wish to ask you about them.

861 is much like your Lepinus nivens but with fewer leaflets, seeds etc

833 I suppose is Greene's Hoazacine or nothofus

833 866 I take to be Phacelia floribunda Greene.

852 Hemophila racemosa Nutt.

I will send you a fuller set later if you wish them.

Very truly

J. N. Rose

852. Nemoph. racemosa! The N. aurita of my list is the same

833 866, 866a. Phac. floribunda, Greene!

853. Hosackia ornithopus, Greene!

861. Lupinus microcarpus, Wats.

867. Sphaeralcea Palmeri, V. & R. n. sp.

— Peucedanum evittatum, C. & R.

— " Hassei, C. & R.

862. Eucephalus Palmeri, V. & R. n. sp.

851. Petrophyta Fibrilla, var. Palmeri, Gray

874. Hemizonia Palmeri, V. & R. n. sp.

865. " biformis, V. & R. n. sp.

879 Krynitzkia maritima — though the nutlets is not quite up to the mark

877 " fruticosa, Greene

Washington D.C.
Dec 30th 1889

My dear Mr. Watson:

I thank you very much for so kindly looking over my plants. I will send you a full set very soon and also of Cedros Island. I have also put aside a number of interesting things for you.

Dr. Palmer & Mr. Brandegee have gone to Cape St Lucas & La Paz.

Prof Coulter is to spend next month with us.

I wish you would please let me have your Pentstemon for a week or so, and for which I send you franks.

(454)

We have been entertaining a bright young Polanish [illegible] on our

Town for the last four months.

Mrs Rose joins me in wishing you a happy New Year.

Very truly

J. N. Rose

Seed sent to Mr. Watson.

1247. Aristolochia Colimae Rose. (n.sp.)
1139. Crotalaria longirostrata H. & B.
1363. Ipomoea (n.sp.)
1274.

J. N. Rose
Agriculture Dept.

Washington D.C.
Jan. 8th 1890

My dear Mr. Watson:

Pentstemon came all right I will be careful with it and return it soon.

I send you a curious Dalea which comes nearest D. Schottii and perhaps a form of it, but very compact with numerous appressed pubescence and short pedicels and flowers in April. I also send the true D. Schottii collected in November. I leave it with you to dispose of it.

Have I really gotten Astragalus aridus and has it been collected since Thurber?

Aribis longirostris with a curious pod. I send you again the Astragalus Lupinus that was in Palmers collection (708). Dont you think I will be safe in describing it? Brandegee also

got it in Low. Cal. it seems to be of wide range. It seems nearest L. Arizonicus but not this; I include specimens from this region.

Some Mondana plants are also included.

Very truly

J. N. Rose

Washington D.C.
Feb 12th. 1893

My dear Mr. Watson:

I sent you today my back set of Palmer's Cedros Island plants. I hope you will be pleased with them.

Your Pentstemon came back in the morning. Thank you for the loan of them. I will send you in a day or two some additional ones and my notes & drawings. I think Palmer has collected the true P. fitchii & Brandegee has gotten P. Californica.

Very truly
J. N. Rose
Assist Botanist

Washington D.C.
March 10th 1880

My dear Mr. Watson:

I am still keeping my Peristyle paper back. I wish you would compare your P. deltoidea with Bentham's figure in the Sulphur. Our specimen is almost a match. Its relationship is certainly more nearly with Prionoglossa. The crown is the best character it has and if this holds I would keep it distinct. I would refer through Brandegee P. deltoidea from Magdalena to P. Californica.

Thank you for pointing out my mistake about Salmus Engelia.

I was not at all certain about the Ephedra. Our material is scanty and I leave it with you to if need name it.

If you remember I first referred Tillaea connata to T. minima as var. major and you half scolded me for doing so. Since coming home I have looked more carefully into the matter. I find it (7139) is identical with the plant referred here by Gray from the Wilkes expedition. We have the only specimen and if you would like to see it will send it. It has good flower characters which ought to keep it out of T. minima.

The Astragalus I may be wrong about; you will see that it always is one called. I examined a great number, the flowers & leaves seem smaller.

Very truly
J. N. Rose
Assist. Botanist

Washington D.C.
May 20th 1890

My dear Dr Watson:

I am very much obliged to you for looking over my plant and determining them for me.

The Department proposes sending me to Lambudge next month and if my coming will not be a bother to you I think I shall accept the opportunity. I would like to come about the middle of June. That no 69 I have only a little. I will divide with you. I will either bring or send you the rest.

The Sphacelia Coulteri is here. I have it now from Guaymas. Perhaps this is where Coulter first got it.

I have just settle that Prosopis tetrofbyll & fuzzle. It is a true Acacia. I

will bring you this and some other good things.

Dr. Palmer is very poorly and fears he must soon give up his work.

Very truly

J. N. Rose

Assist Botanist

Washington D.C.
May 24/1898

My dear Mr. Watson:

I return your Sphaeral cea today with what I take to be S. Coulteri from Guaymas & a common species of the peninsula with almost the exact carpels but of very different habit, leaves, flowers & pubescence. I have kept a leaf and 3 or 4 loose carpels from your specimens.

I shall probably come up early in June bringing my wife & boy with me.

Very truly
J. M. Rose
Assist Botanist.

Washington D.C.
July 3rd. 8?0

My dear Mr. Watson:

The Peltandra sent were all from the same pond. I was not able to collect carefully as I was nearby down the river on a pleasure trip with my wife; if you think it worth while I will go down again and collect fully for you.

The narrowest leaved form I only found a single flower. The other two forms seemed more common and I thought were perhaps the same.

Of course they were all very different from P. alba. We have some fine specimens

from Coville. The plant is very handsome and might be cultivated. If you wish I will try and send you some.

Will there be any of Pringle's last unsold sets to distribute? If so I am very anxious to get them.

Very truly yours
J. M. Rose
Assist Botanist

Washington D.C.
July 10th 190

My dear Mr. Watson:

When I was at Cambridge last year you asked me why we took up Thaspium Walteri. I had forgotten it then and as it is now before me will let you know. You seemed to have overlooked it in the Index. See Plant. Wright. pt I. 79.

As the plant was fully described by Buckley under Zizia the mere mentioning of the binomial would be publication. And if so should not the reference be this. T. Walteri, Shuttlew; Gray Plant Wright. etc?

Respfully
J. N. Rose

Washington D.C.
July 24th 1890

My dear Mr. Watson:

I send you this morning some more Pelteandra. I did not have an opportunity to examine but a few specimens. What I send you is from two different ponds. I only found one flower and which lack the long accumination. I have also got you P. alba.

The Department has just increased my salary another $200.00.

Very truly
J N Rose

Washington D.C.
Oct 7th 1890

My dear Mr. Watson:

I have just been fuffling over Acacia flexicaulis, but I find all the stamens united into a tube just like Pithecolobium! Bentham's type was without flowers and he may never have seen them. I also think Coulter's P. texense is the same although he does not refer A. flexicaulis to it. It is too bad a new name was made. The pods are much like Bentham's Samanea section.

I want to thank you for your contribution and for the compliment you pay me. Did you forget your Cryptogame Fradrance or did you change your mind? It seemed to me good stuff.

Very truly
J. N. Rose

Washington D.C.
Oct 10th 1890

My dear Mr. Watson:

Your note of Oct. 9th at hand. Pringles label & list marked "n.f." Throws me off on the Cryptogams.

A careful study of our material seems to indicate that Acacia floricaulis & Coulteri Pithecolobium are the same. I send you a scrap of this type as well as my LaPaz plant (either left you as Acacia & Pithecolobium n.f. 2086).

What are we to do, Mr. Watson about specific names? The "new school" will listen to nothing but their way. I don't like it myself, but I want to be in line with the working botanist.

As to your note of Sept 27th:

Since you advise it I will not do anything with Cousetia Mexicana but I do not like it for a Cousetia. The style is almost

naked not "mitis consitudinibus barbatus,"
as is shown in C. Rimbriosa & in H.B.K.
Tab. 660 fig. 6.
Collected by Palmer 1878, Sonora,

Very truly
J. M. Rose

Washington D.C.
Feb. 4th 1891

My dear Mr. Watson:

I will be up to Cambridge early next week for a short stay at the herbarium. I have some 500 plants to leave with you.

Yours very truly
Jos. N. Rose

Washington D.C.
Feb 7th 1891

My dear Mr Watson;

I have sent you another package composed mostly of Cirgo nums, there are various duplicates but I thought you might like to see a full set. A few other rare things are in-cluded and what seems to be a new Aster. What do you think of it?

Yours very truly
J W Rose

Washington D.C.
March 30th 1891

My dear Mr. Watson;

I found my wife very sick when I returned and my work has been somewhat interfered with. She is almost well now and my little boy is quite himself again.

I have been looking into that Gymnanthes-Bonania matter since my return. There is certainly nothing that could very well be called a calyx like Bonania calls for and yet Stillingia which is also of this group, sometimes has an obsolete calyx. But I find another character which is against Bonania and that is its connate stamens.

Does it not seem a little unnatural to put these 3 species which are so much alike in certain points and

differing from Gymnanthes in so many ways, even if some of them are slight into that genus?

I note the following differences from Gymnanthes as considered by Bent. & Hooker.

Capsule almost globose: valves thin, 2-faced, contorted after dehiscence: carpophore winged: seeds without strophiole, racemes always terminal: leaves dentate. In two instances (the connate stamens and connate styles) it is the secondary and not primary character in which it agrees. Also a difference in habitat, Central & Northern Mexico.

Bentham & Hooker as you know do not include Mexico in their range and I have been looking over the 3 species as given by Hemsley. G. vifaris is nearly related to G. lucida (which also grows in Mexico along the West Indian border with the above) but I can hardly think the plants belong to the same genus. The other two are doubtful and may not be of this genus.

Notwithstanding B.&H. some of the Gymnanthes have slightly dehiscent leaves but they seem to be of different texture.

It seems to me that it would be better to make a genus including these 3 species than to try and keep them in either of the above genera. But you will know best what to do in the case.

If you should desire to make such a change I will send on my notes and you can include my species in your paper.

Yours very truly

J. M. Coulter

Dr. I remember your notes on G. Pringlei. You say it is dioecious. Our specimens just received from Pringle show receptacles filled with flowers at the base and one has an old carpophore.

J. M. C.

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United States Department of Agriculture,

Botanical Division,

Washington, D. C., April 28th 1891.

My dear Mr. Watson:

I have had the "grip" as well as my wife & boy and so your letter has been neglected. Now about our Euphorbia. I have looked over our material pretty carefully (which is very poor in fruiting specimens) but cannot come to any very satisfactory results. Admitting a strophiole seed it answers Lasiocarpa as well as any other genus. I have accepted your conclusions and labeled my plant S. Palmeri. In latex however it does not answer very well for any of our species of which we have quite a number.

I might mention that M. P. Chrétien of Paris writes that Carpocapsa is found in Colliguaja odorifera and that it grows in Mexico. This must be a mistake for I can find no mention of it in Mexico; do you?

I do not think our plants belong to Colliguaja ~~but~~ for it has many characters connate to the fruit. But is it not a little curious that these plants

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United States Department of Agriculture,

Botanical Division,

Washington, D. C., ... *189* .

2

which contains Cayaponia should be called "Colleguaja" by the Mexicans? Which specific name do you use Pringlei or Smoranensis?

I was not able to get any additional Eriogonum sp. for you.

Dr. Palmer is here. He has just returned from Colima. Dr. P. Lauterbach of Berlin writes that he considers Conselia? Mexicana a new genus nearest Lennea.

Yours very truly

J. N. Rose

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United States Department of Agriculture,

Botanical Division,

Washington, D. C., May 8th 1891.

My dear Mr. Watson:

Your letter is just at hand and I will try and supply you with the missing labels. That Hosackia seemed to me to be new and I had called it H. Alamosana. I had thought it nearest H. angustifolia but different in habit etc. It seems to differ from H. rosea in its fewer leaflets (1 to 3 pairs) and these not mucronulate, heads fewer flowered (mostly 2 rarely 4) and calyx globose. That long pod belong to what I take to be a new species of Astragalus (No 320). I will send you the flowers if they are missing. I wish you would please return me the others in which the labels are lost.

Have you Calyptoranum deserta Benth. not gray? If so could I borrow it.

Yours very truly

J. N. Rose.

Washington D.C.
May 15th 1891

My dear Mr. Watson:

Your cards & package at hand. I take it that this plant is a Sida rather than Anoda. It has given me considerable worry. We have nothing like it here. It seemed to answer better S. ulmifolia but I was not satisfied; and as I look over it now I am more than ever in doubt. Only a single plant was found in a shaded canon; "flowers orange-colored." I cannot settle it here and I shall give it over into your case if you wish.

Only a single branch with 2 leaves was obtained of that Jatropha; but I have plenty of flowers and will send some.

That Cuph. dissecta while perhaps technically a Cuphea-Lowia has the habit, foliage, solitary leads on long peduncles etc of Hofmeisteria. The only thing against this genus is its single follicle. What do you think of it?

Yours very truly
J. N. Rose

I find Lowia cannot be a Hofmeisteria Lita 6
Baker

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United States Department of Agriculture,

Botanical Division,

Washington, D. C., May 18, *1891.*

My dear Mr. Watson,

I am sending you what seems to me a peculiar and yet good new species of Coursetia, from Texas. It has the habit and legumes of the Arizona species, S. glandulosa (microphylla). It differs from Coursetia as you will see in its inflorescence.

Yours truly,

F. V. Rose

Assistant Botanist.

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United States Department of Agriculture,

Botanical Division,

Washington, D. C., May 21, 1891.

My dear Mr. Watson,

Your letter is just at hand.

I do not mean to change Eupatorium dissectum, but it is certainly very close to Hoffmeisteria. Yes I saw Bentham's note in Gen. Pl. I just looked over my letter to Baker and I did not ask him for the determination of the Mallows sent him. Therefore your name will be used.

I am just now reading "Galley proof", can you send me on your description.

Respectfully,

J. N. Rose

Assistant Botanist.

Washington D.C.
May 24th /91

My dear Mr. Watson:

I have been away for several days & on returning find your postal & letter.

The Sida has been sent as you suggest.

I fear my labels have been somewhat mixed. 644 (infest) is a new species Pycnia fasciculata, No 737 is a new sp. of mine now in type Tradescantia Palmeri.

If you note any other mistake you will greatly oblige me by letting me know.

Yours very truly

J N Rose

Washington D.C.
June 18th 1891

My dear Mr. Watson:

Memorial Day & company have been playing havoc with my time. Your note of May 27th is at hand. Please do not hesitate at any time to call my attention to any mistakes in my determinations. Now a word about that plant with a missing label. It should be 744 (not 644). I made it Leptorhoea. It seems distinct from L. filiformis, having narrower & longer leaves, glabrous pedicels & calyx & with a different inflorescence. Leptorhoea? I think is well distinguished from Inadeescentia in having but 1 ovule in a cell & in the shape of the seeds & position of the hilum. We do not have the species but from Hemsley figure it seems to be in the proper place & a different species. What do you think?

As to my T. Palmeri it seems to differ from T geniculata in not having the lower surface of the leaves villous; in having unequal stamens with glabrous filaments: seeds 3 lobed, glabrous etc etc.

Yours very truly
J N Rose

Washington D.C.
July 15th 1891

My dear Mr. Watson:

We are very much in need of a good clerk with a little knowledge of botany a good penman etc, When I was at Cambridge you had a young lady helping in the library that about fills the bill. As I understood it she was simply working by the hour and may not be with you now. If she is employed permanently at the herbarium of course I do not wish to interfere and for this reason I write to you.

The position is worth $950.00 per year

Yours very truly

[illegible]

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United States Department of Agriculture,

Botanical Division,

Washington, D. C., July 17th, *1891*

Dr. Sereno Watson,

Cambridge, Mass.

My dear Dr. Watson:

Two packages came to Dr. Palmer from you a few days ago. He wishes me to ask you if you have a list of species and the year as the specimens are only numbered. Dr. Palmer leaves this morning for Mexico. He did not seem contented here but was anxious to get back to his old field of work.

Will you please tell me if, Tellima is to be used, what combination should be taken up. Here are the choices:

Heuchera Williamsii Bot. Gaz. xv. 62.

Tellima pentandra Canby in herb.(1883) Bot. Gaz. xv. 62.

Tellima nudicaulis Greene Pitt. II. 162.

" " Williamsii

My own opinion is that the second is the proper one, but I am not sure.

Yours Respectfully,

J. N. Rose

Assistant Botanist.

Washington D.C.
July 20 1891

My dear Mr. Watson;

Yes I received Buchanan's paper but it came just as mine was being issued and it was then too late to make any change. I have no doubt but what his Alamo plant is my S. Palmer but as I took over the description in D.C. Pat. I note some little differences, which leaves it in some doubt.

I'm glad you have a rare genius for Pringle.

Palmer has gone. His salary was raised $2700.00 and he is delighted.

Yours very truly
J. W. Rose

Washington D.C.
July 23 18[illegible]

My dear Mr. Watson:

The two bundles of Palmer's plants are here. A few days ago two large bundles came with only numbers and being from the Southwest I took them for the ones expected from you.

I suppose you have seen Brandegee's new Astragalus coccineus which of course is your A. grandiflorus.

I have just heard that Barnes is to go back to Madison. I am a little surprised. He would prefer teaching to the advantages and opportunities of special work at Cambridge.

As soon as you wrote that you

Packed Miss Out & hooked the mother;
I ought to say however that Miss Black
has since written me asking about the
place and which letter of course
I have answered, I did not intend
for you to speak to her about the place
if she was still working for you;
I hope you will get down
to the A.A.A. S. next month.

Yours very truly

[illegible] Rose

Washington D.C.
Aug 14th 1891

My dear Mr. Watson

I have just been able to place that curious tree from Guaymas No 179 of your list and 167 of mine. It proves to be Forchhammeria of Liebm. placed in Capparidaceae by him & into Euphorbiaceae by B&H. (III, 278) but it does not go into either one very well & especially the latter.

I think there must be some mistake about Miss Rockwell for I have never written to her. I wrote to the lady in Albany N.Y. whose address you

have me asking her to give me the names of some persons who could do my work. My letter was answered saying that some names would be sent but these have not yet been received. It must have been in this way Miss R. knew of the place.

Miss Clark has again written to me about the place & saying that she would like to take the examination. We have 30 or 4 applicants for the place.

Yours very truly
J. H. Rose

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U. S. Department of Agriculture,

Botanical Division,

Washington, D. C., Sep 18th 1891.

My dear Mr. Watson:

I think I have neglected to thank you for your last contribution which I am very glad to have. I am glad to see that you have made a new species of Palmer's fig. I thought it new and had it down so until the very last but as my material was not quite complete I cut it out.

By the way that corn from Prof Dugès which you have been writing about has just been sent over from the Smithsonian. If you still desire to see it it will be sent on to you. Dr. Vasey has already written to you about it I believe.

I have the fruit of that Forchhammeria (and plenty of it) which I will send you by & by. The plant is hardly the type. I am not sure whether it is distinct or merely a variety. Palmer is not at Magdalena and I am hoping he will get some of the type. Have you Wolffia gladiata var. from Florida?

Yours very respectfully

J N Rose

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United States Department of Agriculture,

Botanical Division,

Washington, D. C., Sept. 4 1891.

My dear Mr. Watson:

I have what seems to be the fruit of Heteropterys concinnifolia and with it seems to go your H. Pavillana. Palmer's plant is from Manzanillo. My plant from Alamos I take to be different: the habit is similar but the flowers, glands and fruit is smaller and with very different petals.

Palmer has obtained the true Bunchosia palida which shows that the Guaymas plant is a very distinct species. I send you good specimens of both.

Yours very respectfully

J. N. Rose

Assist Botanist

Washington D.C.
Sept. 17th 1891

My dear Mr. Watson:

I have just received your letter of Sept 16th. It pains me to know that I have failed in courtesy and to have done anything that would wounded in the very least your displeasure. Nothing could have been farther from my thoughts.

I am glad you have spoken as you have for now the mistake can be rectified. I send you today all of Palmer's notes on the 2 species and a negative of the new tree of which a plate should be made. Of course I shall do nothing more with it and now turn over to you the whole matter.

I hope that the too common feeling of which you speak may not exist between the Harvard & Washington Botanists and especially between you & me. I appreciate Mr. Watson too highly your friendship & respect to think of taking undue advantage in the trivial matter of naming a new species.

I think I have sent you a full set of all the material but if you wish more either of the flowers or fruit I will send them on.

Yours very truly

J. N. Rose

Washington D.C.
Sept. 30th 1891

My dear Mr. Watson:

Your letter of Sept. 22nd was duly received. I have been almost sick this week but hope to be at the office tomorrow.

I am glad you entertain ~~most~~ no unpleasant feelings towards me in that Frankhanonia matter. I certainly ought to have sent the material all on to you in the first place. I still think you ought to work up the matter.

The Brandegees will be here tomorrow. I suppose they have already visited you.

Miss Black has been here for two weeks and seems

to be well pleased. I am sorry our getting such a good clerk was at your expense. She passed the examination with a grade of 96. none of the others 4 reached 50.

Greene is out in the Pittonia with another grist of Rafinesque's old genera & some other of our common genera which he renomes himself!!

With kindest regards I am very truly yours

J. N. Rose

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United States Department of Agriculture,

Botanical Division,

Washington, D. C., Oct 7th 1891.

My dear Mr. Watson:

I am sending one or two specimens to Mr. Robinson and include a few which are for you. One specimen is the same as Palmers 647 (1887) of which you only had the flowers. The fruit of course places it into Pisonia. It is near P. aculeata but I take it to be quite distinct. It is curious how the flowers develop. I wish you to make the change and complete your description. I am anxious to keep all of Palmers plants together and I wish you would please make the change in my Contribution.

Yours very truly
J N Rose

I also send some of Greenes Pittoni which is just in

R.

Washington D.C.
Oct 19th 1891

My dear Mr. Watson:

Your letter with note on Psiomia just received; the latter I shall add to my notes on Palmer's collection. I puzzled over aculeata a good deal but could not satisfy myself very well. The pubescence in this species certainly varies in our specimens. A striking difference seems to be in the inflorescence; Palmer's Guaymas specimen has the staminate flowers in compact head-like clusters while in the type form the clusters are very open. I have come across some of Palmer's Colima specimens which show this very well.

Yours very truly
J. N. Rose

Washington D.C.
Nov. 23 1891

My dear Mr. Watson:

Have you seen Otto Kuntze's "Revisio Generum Plantarum etc" with its 1100 changes of genera requiring some ±3000 specific changes? The work of Britton & Green is mere child's play compared with his. I am curious to know what B. thinks of the book. You have noticed of course that ~~that~~ he has put Solidago, Bigelovia etc all into Aster!! And what a mess he has made of the specific names! I wish Mr Watson you might review the book somewhere and show when such work will lead. I know you have doubtless been disgusted with this whole matter. But if you would put on record the course followed at Cambridge it would be a great help

to those of us who do not accept the form laid down by the "Red Botanists."

I think you are doubtless right about the Salsola, I have since received undoubted S. Kali from S. Dakota. It is also reported from Nebraska.

I have just come upon a slip of Dr. Gray's. Colophanes Palmeri Gray Proc Amer. Acad XXII: 443 is Grindelia scabella Benth.

Yours very truly

J. N. Rose

Dr. Vasey wishes me to ask you about the Ball Collection: Mr. Holm who you know was sent up to help you reported that the collection was of little value and not worth the time or expense of going over it: Dr. V. wishes to know if this is your opinion. If the collection is worth it he thinks he would detail some one who help with the work

J.R.

Washington D.C.
Dec 7th 1891

My dear Mr. Watson:

Are you willing to trust your Gaya bundle on a trip to W.? If so I would like to know it for a few days.

I have just been studying Henrya (Acanthaceae) and I think Dr. Gray was right in restoring the genus. I find though that Hemsley has made a new Henrya Jour. Linn Soc. XXVI. 111. Once a synonyme always is a good rule to follow although there is no sence in going back on a name even if it has been used 4 or 5 as in the case of Cranstyia, Don't you think so?

J M Rose

Washington D.C.
Dec. 18th/89

My dear Dr. Watson:

Saya is here and will be returned shortly.

Your letter to Dr. Vasey including the one to Dr Palmer has been turned over to me.

Dr. Palmer asked me not to write until I heard from him again. Your letter will be sent with the last mail sent to him. His boxes are now in and I will look for the palm today. He wishes to have the palm figured. I understand from his letter that the specimen is a large one and probably had better be sent to you entire and can be returned after you have studied it. Dr. Palmer speaks of the Palm as a new species.

In looking over some Gomoea Sp.
I find that Coulter's I. Texana (Cont Bot. Hab. 40) is probably I. fistulosa Mart. At least I can not separate it from Wright's Spec. from Panama & it seems to agree with the figure Fl. Bras. VII t 81.

Really writes me also that the plant is cultivated in Texas. I have written to Coulter about it but he does not have the material at hand to confirm my work. If you are not too busy I wish you would tell me what you think of it.

Yours very truly
J. N. Rose

Musée botanique. Copenhague
3 février 1891.

Monsieur,

En étudiant pour le moment la flore de Groenland, j'ai examiné aussi le Sisymbrium humifusum (ou Arabis h.), sur lequel vous avez fait des observations intéressantes. Je connais votre note dans les Contributions to American Botany. IX; mais je n'ai pas eu l'occasion de connaître la note que vous avez publiée sur cette plante dans le „Botanical Gazette". 1887. La société botanique de Copenhague reçoit maintenant ce journal, mais elle n'a pas encore reçu les volumes antérieures.

Je me permets donc de vous demander s'il ne vous serait pas possible de m'envoyer un tirage à part de cette note. Je suis complètement de votre avis, qu'il faut tirer cette plante au genre Arabis, et il me serait particulièrement intéressant de connaître vos arguments.

Veuillez excuser, Monsieur, la peine que je vous donne par ma demande, et agréer l'assurance de mes sentiments distingués

L. Holderup Rosenvinge.

P.S. Compliments de M. Warming.

Botanical Museum, Copenhagen.
27 march. 1891.

Dear Sir,

I beg you to receive my best thanks for the kindness with wich you have given me the asked informations and the copy of your note. It is interesting to see, that the System of Cruciferae of De Candolle has been attacked from several sides in the last years, and you have probably seen, that Prantl has set up a new system of Cruciferae in Engler-Prantl, Die natürlichen Pflanzenfamilien.

I cannot give you more information on Arabis Breutelii, than are given by Prof. Lange. I am very

doubtfull, wether this plant is really found in Greenland; several of Brentels plants are never found by others in Greenland, and it is very probable, that they originate from Labrador or another country.

Prof. Warming begs me to inform you, that our Museum have sent to Prof. Asa Gray a collection of Brasilian plants, but we have never received anything in return. We should be very glad if you would continue the exchange, and in that case we can later offer you plants from Greenland, which may perhaps be interesting for you.

Yours very truly

L Kolderup Rosenvinge

MUSÉE BOTANIQUE
DE L'UNIVERSITÉ DE COPENHAGUE.

Copenhague K, le 24 octobre 1891.

Dear Sir,

Prof. Warming, who is recently depated for West-India and Venezuela, had asked me to thank you for the valuable and interesting collection of plants from Asa Gray's Herbarium, which we have received in September. For a forthight ago we have sent to you a collection of Greenland plants, which perhaps may be of any interest for you.

Yours sincerely

L Kolderup Rosenvinge.

Kolderup.

Rothery

Brevoort House
New York
July 13th 1874

My dear Dr. Gray,

Soon after I had written to you to inform you of our arrival at Washington, I received a telegram from home which induced me to hasten my departure, & I accordingly wrote to our friend at New York to ask him to secure a berth for us to England, with enclosing however that he would be able to do so in ab. a fortnight or three weeks — So

the minutes of them, I will on my arrival in England go through them very carefully with Hooker, and send you specimens of all those which he thinks you would care to have —

I hope indeed that the opportunity of seeing you again, and of making Mrs Gray's acquaintance is only deferred for a time, and that we may soon have the advantage of meeting, if not in this country, at all events in old England —

my astonishment however I found that there was a probability, if not a probability of our getting a passage in the Scotia on Wednesday next – Accordingly we came to New York, and have succeeded in getting a berth in that vessel, and we leave for home on Wednesday next the 15th instant –

If anything could make us regret our speedy departure, it would be the fact that we shall now not be able to accept your and Mrs Gray's recent kind invitation to visit you at Cambridge, and to meet the very distinguished people you mention in your letter – But it is a matter of some importance that I return home in the Scotia, as by that means I shall arrive in Paris before Parliament breaks up, and before the Ministers separate – My disappointment is all the greater, that I cannot now show you the fossils which I collected in California and Nevada, and have the benefit of your kind offer to name them for me – If [illegible] you would like to have

If you have time to answer this letter, will you kindly address your reply to me at

No. 94 Gloucester Terrace
Hyde Park
London
England

where I shall probably be on some weeks [illegible] return to England —

In the meantime thanks, and until we meet again

Believe me
Yours sincerely
W J Rothery

Rothery

Ribsden,
Bagshot.

July 17: 1881

My dear Mr. Asa Gray,

Bis Dat, qui cito Dat, is an admirable saying. Thank you very much for the letters of introduction, which you have so kindly sent me for the Hooker; they will be

the letters, which you have sent me.

Believe me

Yours sincerely

H. Rothery

of the greatest service to him. I shall give him letters to some friends at New York and Washington, and he will then be well set up.

It was very pleasant to see you and Mrs. Gray at the Theatre the other evening, and we hope before very long to see you here for a few days. We cannot however fix the day now, as I am summoned to give evidence in a trial at Liverpool, and it is uncertain on what day it will come on. As soon as our plans are settled I will write to you again.

With kind regards from my wife and myself to you and Mrs Gray, and with renewed thanks for

Ribsden,
Bagshot.

Sept. 6: 1881

My dear Dr. Gray,

I send you a letter, which I have just received from his House, the gentlemen, to whom you gave some letters of introduction to your friends in the States. Unfortunately he did not receive them

interest, and is not unlikely to launch me into a vehement heresy controversy —

I heard this morning from William Stokes, telling me that Huxley's lecture was a masterpiece.

With our united kind regards to yourself Mrs. Gray

Believe me
Yours truly
H. Rothery

in time to make use of them, but he and I are equally obliged to you for them.

You will see from his letter how delighted he is with American and the Americans; and if, as I hope, you are able to come to us during the present month, we will ask him to meet you, as I feel sure that you will be glad to make his acquaintance.

I am sending you by tonight post the Report of the majority of my colleagues on the Franchise Franchise, and my Protest against it, in case you should take any interest in the question. To me of course it is of the greatest

possible after that I mean to be tied. for entre nous I am rather tired of having neither home nor resting place, boarding round, and sewing on my own buttons etc. two numbers the mention

Please remember me to Mrs Gray and say I hope she will soon be well and strong enough to get to Central Pa. again — with you.

Yrs Truly
J. T. Rothrock

If you Mam direct the plants to me at Bellefonte Centre Co Pa. Per Adams Express. And also to notify me by mail, of sending it.

AGRICULTURAL COLLEGE,
CENTRE COUNTY, PENN'A,

May 7th 186(

Dear Doctor.

Hope both you and Mrs Gray are relieved from the influenza. And flourishing like green bay trees. I send you by mail. a Polygonum from Alaska. on like tripterocarpum somewhat. Astragalus alpinus. And something I cant satisfy myself about marked ~~No~~ No 2. No 1 is also a puzzle. which you may either return or keep as the state of your herbarium demands I would be greatly obliged if you would settle for me the point of doubt. I have not the material to do so with. It will wind up my Alaskan troubles. Trollius & Asplenium. Go to you from my pupil A H Tuttle I told ~~the~~ him they were plants you

would likely want. And he
produced them. Things here
go on from bad to worse. I doubt
whether we will have thirty students
here next term. Prest. likely
will have, but so much the better
for he has no "executive ability"
just what every one thought he has
most of him has shown himself to possess
least of. As for getting discouraged
I'll show no sign of that. While here
but will take a better place if one
should offer. A year here as a training
school will be of vast importance
to me. After that I'll know the ropes
well enough to get along "professing"
My Mam will send one long
to you for Feb. & Ann.
With your permission Mamma may
as well send those Cal. plants and
please tell him to put the bill
inside the package & send it by
mail or I'll forget the sum.
I am under a thousand renewed
obligations to you for waiting on me.
"Other" day I wrote an article for
the Naturalist on Figueras Portable
World. In its enlarged edition as it is time full of "piscis"
I don't know whether they will have
the hardihood to publish it. I think
however it is time. Young America was
doing its share toward reminding
the "piscis" across the water that
some mighty things can originate
even in England
The desired roots I'll send you
in a few weeks as soon as I am
done with the work which is now crowding
me. I did want to be married coming
winter but things look too unsettled
yet. Besides I want to get a new
microscope and get my laboratory
arranged first. These two things
will drain my purse. And I
must have them. — Ever o.

Penna. Ag Coll. Dec. 14th 1869

Dear Doctor

To night I received your of the 10th. Am glad to congratulate you and Mrs Gray on your safe return from Europe, and also sincerely rejoiced to hear that Mrs Gray is better.

Tis true, "I have a wife of my own" — one too who after seven months of married life is dearer than the day she was given me. — one that if I were a cynic would make me love womankind because she is a woman. Pardon this, the only sentiment you ever heard from me. And for myself, I have done but little botanical work since I saw you. One year ago I left this place in disgust vowing never to return. Dr. Burrows was then placed at the head of the institution and he insisted on my returning, offering additional inducements in the shape of $. etc. Meanwhile I had settled in McVeytown to practice medicine.

from the first week I had all I could do. Some successful surgical cases gave me a little local reputation, and even yet I am called home to do all work of that kind. Two weeks ago I was over to Amputate a leg. The operation is a success. Here I professs — Botany Anatomy, Physiology, Hygienic, Zoology Geology. Practice for the College. Carry my own coal, carry my own hose, — for 1500 00/100 per annum, which I don't get punctually. I make neither money nor reputation, one or both of which all young men should aspire to. I have become tired "waiting for something to turn up." I propose to start in a few days for Philadelphia, to dissect and take private instruction in operative surgery with a view to establishing myself in some good location as a surgeon. I am now æt. 31 and must get at my life work. If I again settle down into Medicine I will give up all science. Sell my herbarium & library, and buy instruments of torture, and stick fast at Medicine. Most likely I shall ~~remain~~ settle in Hamilton. I have more good openings indicated than I deserve, or am worthy of. My wife is at present at home. Nice girl. Hope she will join me in love to you & Mrs Gray.

Yours Truly
J. T. Rothrock

For next two months my address will be University of Penn.
Medical Department
Philadelphia Penna.

N. B. Clark left here one year ago for a chair in the Agricultural College of Kentucky - Lexington. You doubtless see Thos. P. Garber occasionally If so please remember me to him and Mrs G.

West Chester Dec 28th 1869

Dear Doctor.

Your letter with its good will Christmas & New Year message reached us in due time. Thanks. We most cordially reciprocate to "you & yours". My special object in writing now is to make a statement of my reasons for abandoning Botany entirely – for Medicine. In 1860 I first went to Cambridge to study Natural Science. I had previous to this given it all my spare hours for two years. During the time I was there I spent all my time in Botany and labored to my utmost capacity. I expended all the means I could obtain for books instruments and the facilities for study. After graduating seeing no opening by which I could support myself I came home and most reluctantly took up the study of medicine. Before graduation I was invited by Kennicott to accompany him to the W W, & at first declined. and only accepted after you had written me that you thought the chance a good one – which I ought to accept.

The hardships I endured whilst there and the complete failure I made so far as scientific work was concerned are only too familiar to my friends. This failure was due to no fault of mine. It did still sting and mortify me, and when anxious to retrieve and redeem my reputation. I proposed to go back and collect if only my expenses were paid. I found the science of Botany could not give me the means of doing so. Medicine was the only thing left. After graduation came my Chair at the P. A. College. How little I have accomplished, and how hard I have worked and how long I have endured my discouraging circumstances is also known. No better place offers. In view of my age, circumstances and marriage I feel I can afford to spend no more time shifting between Medicine and Botany. To make a reputation in a thing in both I must confine myself now to one thing and work at it unflinchingly for the rest of my life. Some myriad-minded men can distinguish themselves in several departments of learning. I never can. My only chance is in hard work in some limited field. Next April my Engagement at the Penna. Ag. Coll. terminates. My resignation is already handed in. Unless I obtain a position that is honorable and permanent, and pays a living salary I propose at once to move to Hamburg, and ~~at once~~ give myself exclusively to Medicine for the rest of my life. What else can I do. Nine years of hard work and anxious expectation have proven to me (if they have proven anything) that I cant live by Botany alone. Science was and is my choice, but I shall have to accept the alternative fate has placed before me. Please pardon this string to you who have so often aided me I felt it was due. I send a copy of my Alaskan paper. My hope goes out in love to you and Mrs Gray.

Ever Yrs.

J. T. Rothrock

Direct to me
Care of Lieut Wm Marshall
Fair-Play Colorado -
if my letter reaches me before
20th June. If it comes
later - to Saguache Col.

American House,
The Largest and Finest Hotel in Colorado.
J. U. MARLOW,
Proprietor.

Denver, June 3 1873

Dear Doctor

We are now camped on Cherry Creek just outside Denver, awaiting our outfit. Mules are there and aside from, grave scientific work our chief amusement is attempting to break them and getting "bucked off" on their heads. Wolf is with us as botanical collector, and I am therefore driven to expend my energies as Zoological Collector & Surgeon. Horses between us you may I think look for a good collection this summer. It would be a great ~~assistan~~

assistance to us if you could forward by mail any of your lists of the Rocky mountain collection such as ~~that~~ published in Parry's Collection. Our route lies through Southern Colorado & Northern New Mexico - Among the Mountains. The pedicularis flower up grandly and reveal their snow clad outlines beautifully against the wonderfully clear sky - Astragali are out in force on the plains. Two species of Ranunculus - Plantago Senecio a Cactus. etc -

I cannot tell you how overjoyed I am at getting back to this life - My only care now is being absent from my dear family

Consider me as returning with a new lease on life in December. unless I meet with some accident meanwhile such as the is always a slight possibility on such trips.

We have a splendid set of men. Genial & Earnest. - no boys. I feel well as I ever did. - And look forward now to a permanent return to science -

Love to Mrs Gray. Tell her if we ascend Grays Peak I'll press & send to her the flower nearest the snow line.

Yr Ever
J T Rothrock

over

Wilkes-Barre Luzerne Co Pa
Feby. 23, 1874

My Dear Doctor

Mrs C. and myself to our great disappointment must give up our contemplated trip to Cambridge, & are ordered to be in Tucson Arizona by April 10th, — I send you by express to-morrow a package of plants I found 800 in number. With compliments of Lt. George M Wheeler. The Grapes, Cactus Yucca etc will reach you soon as they are returned from the specialists who are now at work up on them.

Could you give the Collection a notice in Silliman's Naturalist or both? If so please write me a word to that effect that I may let Wheeler know of it. He prizes such things greatly. Please also forward me a receipt for the Collection as they keep a record of all distributions at their office

I have now a most special favor to ask. Of course having had left than 2 ~~three~~ months ~~by you~~, in which to distribute the Collection make my own examination and write a report. it is simply an impossibility for me to accomplish any such work – I shall be prepared to furnish the general botanical account, but without liberal help from botanical friends cant begin in the time allowed me to give a list of species.

It is a modest request I know to make but can you away all hands give me a list of Compositae, Cruciferae Leguminosae, Polygonaceae & Chenopodiaceae with Amarantaceae? Time is all I need to do it myself but that is just what I have not got. I leave for the prairies by March 15. at the outside – If that list be furnished in meantime I can in a measure complete my report. All told you will probably get not far from 1100 species out of the entire collection

Coming season I hope for good results. –

I have often as you will observe sent you duplicates – i.e. for locality –

I cant prepay the package very but if you will keep account and let me have it when I have sent this and the one which will soon follow – I'll remit soon –

Mrs R desires kindest regards to Mrs Gray in which of course I join

Yours Truly
J. M. Rothrock

Wilkes-Barre Luzerne Co Pa Mch. 2 1874

Dear Doctor

I send by to days express another box of plants completing your set. Except the mosses, grapes, and carices which will be thrown in some as they are returned from those who are at work upon them. I also enclose a small package of mosses for Mr James. The labels I send for your collection will, as you observe bear, timmming down. and as the paper is not transparent. it follows that the headings on the back (placed there by my zoological friend in Washington) will be of no special service. In regard to the collector. My friend Dr. Vasey, has intimated that I have had a "certain connection with the collection" - in which I believe he is correct, said connection extending to collecting all the alpine plants - those from Frost Creek. Halpin and Creek and most of those from the valley of the Arkansas. By arrangement with Prof it was decided between us that if I ~~could~~ assisted him with the plants, he would aid me with Zoology. and he wrote appreciation

in the Lichens (Botanical) as the collector, and I am the zoological as the collector. Please then doctor give Prof John Wolf the place on your labels as the collector. His notes I regret to say are of little or no account. He is a first-rate collector but all his ideas run in the direction of finding a new species. Coming year I hope to hand full notes. The past season I took copious notes on the flora in connection with altitudes. My Barometric observations have not yet been reduced at Washington nor have I had the time to do so. ~~They~~ They must spoil in keeping. Should you be able to get a good new species, among any of the plants, you would do me a favor by affixing Prof Wolf's name to it. I am now slowly naming the collection - along with attending to numerous other duties -

Please give my kindest regards to Mrs G. and believe me dear doctor

Yours Truly

J. T. Rothrock

56 Iva ceiia Stokesiana
208 Artemisia Campestris ca
674 Senecio Bigelovii Gray var. microcephalus.
673 " longilobus Benth.
672 Stephanomeria minor; too poor specimen for species.
671 = 672
670 Mulgedium pauciflorum.
669 Macrorhynchus, too young to know if M. toximoides var, or Toximon glaucum.
668 M. toximoides var. = Parry's 66.
667 " "
666 " Toximon parviflorum large.
665 same.
664 Crepis runcinata.
404 Solidago Virgaurea var. humilis
405 " too poor, probably a form of S. Missouriensis;
406 " Canadensis var?
407 " Virgaurea, var, alpina
408 " nemoralis var.
409 " from of 404
410 Gutierrezia Euthamiae varying to microcephala.
411 " Euthamiae
412 " Douglasii var.
413 Bigelovia ~~Douglasii~~ tortifolia, Gray var.
414 Gutierrezia Euthamiae
415 " "
416 Iva ceiia sericea var.
417 " Acapigera Eaton. with sessile head ??
418 " from of 417.
419 " sericea
420 Machaeranthera canescens, dwarf var, - queer - call by Porter & Bailey
421 Xiamenia encelioides.
422 Brickellia grandiflora.
423 " "
424 Baccharis salicina
425 Gnaphalium strictum Gray
426 = 428 ~~[illegible]~~
427 " strictum.
428 " palustre Nutt.
429 Artemisia Ludoviciana var.
430 " A. caudatum Gray
431 " tridentata.
432 = 425. depauperate
433 = 208.
434 = 433
435 - 445. all forms of Artemisia tridentata
446 Bigelovia Douglasii
447 " = 413.
448 " graveolens.
449 Tetradymia canescens, var. inermis

450 not sent (or see Eurtia)
451. Aplopappus Macronema Gray
452 Bigelovia graveolens
453. " Parryi Gray
454 " Bigelovii "
455 = 420.
456 Baccharis = male of 424
457 Actinella acaulis var.
458 Liatris scariosa. Nutt
464 Chrysopsis villosa var.
465. Aplopappus Suttalii, J. Ks
466 Malacothrix Fendleri
467 Pectis angustifolia, Jan.
468 Zinnia grandiflora.
469. Aplopappus fasciculatus or Artemisia frigida!
470 Aplopappus ~~fas~~ spinulosus var
471. " Parryi.
472 " inuloides
473 = 414, 415, depauperate scalous form of the sp.
474 Aplopappus lanceolatus var. between Vasseyi, & A. tenuicaulis Eaton spoiling that.
475. Stenopappus luteus (or var. of tenuiflorus)
476 - " same - probably luteus,
478 Bigelovia Douglasii, Nutt. (second)
479 Villanova chrysanthemoides, Gray
480. Achillea Millefolium
481, Chamactis Douglasii
482 " " Nutt.
483 Gaillardia aristata.
484 Actinella Richardsonii
485. = 474
486 Aster salsuginosus.
487. Erigeron grandiflorum var. elatius. Gray
488 Aster falcatus.
489 Erigeron macranthum, Nutt.
490 = 487
491 Machaeranthera tanacetifolia.
492 Aster adscendens, — a very slender form.
493. Erigeron compositum
494 " unifloruum var.
495 " ursinum Eaton
496 " compositum var. glabrate form (pedatum Nutt.)
497–499 Machaeranthera canescens, (Diplotaxis Nutt.)
500 Aster Douglasii?
501 " falcatus
502 = 420, As.
503. Erigeron divergens.
504 = 486.

505. Machaeranthera tanacetifolia.
506 = 489.
507. = 497–499.
508 = Aster pauciflorus Nutt.
509 " adscendens?
510 " Hendleri
511 = 497–499 var.
512. Entire-leaved var. of same
513. Erigeron Bellidiastrum probably (too young to be sure)
514 Erigeron pumilum.
515 = 494.
516. Aster salsuginosus.
517 Jamesandia strigosa.
518 Erigeron flagellare.
519 " a form of E. macranthum? varying to E. grandiflorum: coll also by Parry.
520. Very alpine-dwarf form of 516.
521. Aster adscendens – a remarkable variety.
522. " adscendens.
523 " between last & next.
524 " falcatus var. ciliatiflorus = Parry's 419.
525. " adscendens, curious form?
526 " " var.
527. Erigeron armeriaefolius.
528 Artemisia biennis.
529 " Ludoviciana.
530 " Dracunculoides
531 " "
532 " Canadensis
533 Don't find any
534. Iteansia Hookeriana.
535, 536. Artemisia borealis.
537 none.
538. " frigida
539 Artemisia Ludoviciana var. Mexicana, form a terniflora, Gray. – remarkable, very likely a species.
540 Thelesperma gracile
541. Hymenopappus luteus
542. " flavescens Gray
543 = 540.
544. Bidens tenuisecta.
545. = 479.
546. Helianthella uniflora.
547 Helianthus lenticularis
548 " Nuttallii, with broader leaves
549. } Rudbeckia hirta
550. } apparently

551. Heliomeris multiflora Nutt.
552. Chrysopsis villosa —
var. foliosa.
553. Helianthus petiolaris
554 = 551.
555. = 552 var. hispida.
556. Wyethia arizonica. Gray
557 Senecio Hartlei.
558 " aureus var. breadis varying to crocceus.
559 " Cannus. var.
560 none.
561. " exemphilus minor
562 " " broad.
563 " triangularis
564 } " andinus
565 }
566 = 558.
567 " lugens. var. foliosus Gray
568 Arnica foliosa Nutt.
569 " alpina (angustifolia) var.
570 " cordifolia
571 Senecio Fremontii
572 " "
573 " Bolandella.
574 = " 571, 572.
575 = 573
576 = 571.
577. " aureus alpinus

578. ~~Senecio~~ Actinella grandiflora.
579. = 472.
580. Hardsonia. nov. genus probably sagittata.
581. Senecio aureus, crocceus
582. " breadis with round red. leaves.
583 " crocceus.
584 " Bigelovii var. monocephalus
585. " aureus, breadis, a form 1 all. at Empire.
586 = nearly 582.
587. " lugens var. foliosus less tomentose.
588 " aureus, ~~nemorensis~~ var. nemorensis.
589. " spatularis.

417 } Jonesandia
475. } Rattwickiinae

Wilkes Barre May 16. 76

Dear Mr Watson

As my resignation as Surgn in the Army takes effect June 1st. Will you be kind enough to give me by May 26th a statement as to the ~~[illegible]~~ progress made in the Legislation of the Expedition - I am obliged to make a full statement of all Government matters in my hand before retiring from the service

In case you will not have the work done by June 1st. please state at about what time you can -

Sincerely Yours

J. L. Robinson

Solidago flexicaulis, Ait. + v. latifolia
? ambigua, Ait.
~~virgaurea, Ait.~~
multiradiata, Ait.
rigida, Ait.
rotundifolia
} Persoon, 2, 449 '07 ; 450,

~~Bigelowia~~ multiflora 450

Siegesbeckia laciniata 471

Verbesina Virginica 471

Siegesbeckia 472

Spilanthes: Acmella intermedia 472
" repens 473

Tetragonotheca helianthoides "

Heliopsis laevis, 473

Helenium autumnale 474
puberulum, 475

Helianthus multiflorus
pubescens
mollis
tuberosus
decapetalus
frondosus
strumosus
prostratus
giganteus
} 475

atrorubens
virginicus
angustifolius
divaricatus
lanceolatus
(annuus)
atrorubens, 2
} 476

Rudb. laciniata
asperata
hirta
fulgida
fulgens
speciosa
angustifolia
} 477

Galardia bicolor
pinnatifida } 476

Rudbeckia laciniata var. B
digitata
pinnata
+ var. (Rumina)
} 476

Vernonia noveboracensis. Persoon, 2, 404 '07
procalta
glauca
angustifolia
fasciculata

~~Chrysocoma nudata, Ait. 2, 425~~
Anaphalium margaritaceum } 2, 420
polycephalum
plantaginifolium
purpureum
americanum } 421

Erigeron Canadense
novorum
Canadense
divaricatum
hyssopifolium
nudicaule
pilosum ?
} 2, 430

strigosum
heterophyllum
annuum
philadelphicum
purpureum
bellidifolium
} 431

hispidulum 432

Senecio lacerifolius 2, 432
Canadensis
aureus } 2, 435
Balsamitae
tubatus
obovatus
pauperculus
tomentosus } 430
435

Solidago Canadensis
procera, Ait.
virgata Mx.
serotina, Ait.
gigantea, Ait.
cilicaris, Willd.
reflexa, Ait.
latifolia, Ait.
lanceolata, Ait.
altissima, Willd.
rugosa, Willd.
scabra, Willd.
nemoralis, Ait.
patula, Willd.
odora, Willd.
} 2, 448.

angusta, Ait.
juncea, Ait.
elliptica, Ait.
+ v. (latifolia)
(Ampurdanum, Ait.)
} 446

odora, Ait.
retrorsa, Mx.
pauciflorosculosa, Mx.
glomerata, Mx.
bicolor, Ait.
puberula, Ait.
stricta, Ait.
lanceolata, Ait.
canescens, Ait.
hispida, Willd.
lanceolata, Ait.
multiflora,
integrifolia
viminea
} 449

Camp July 27. 1870

Dear Mr Watson

I doubt whether my report will be out inside the year. For the last two months I have done nothing on it. My business requiring all my time. I should of course like to get into your index. I will of course furnish you the advance sheets whenever they are out. Gladly. but fear it will be too late. Yours truly

J. F. Allcock

Betula populifolia
excelsa
Davurica
nigra
lenta
papyracea
lenta
[illegible]
pumila
} Persoon, 2.572 '07

Carpinus Americana 573
Ostrya Virginica 573
Platanus occidentalis, 573
Arum Dracontium
triphyllum
atrorubens
Virginicum
} 574

Pinus inops
rubra
Banksiana
variabilis
rigida
Taeda
palustris
serotina
} 578

Sorbus
pendula
microcarpa
Balsamea
rubra
alba
tripetala
Canadensis
nigra
} 579

Thuja occidentalis 580
Cupressus disticha
thyoides
} 580

Acalypha Virginica
Caroliniana
} 581

Croton maritimum
argyranthemum
} 583
glandulosum
capitatum
} 584

West Chester Chester Co Penna
Jan. 20. 1879

My dear Dr. Gray—

Your letter received. Many thanks for the chance. I don't think the journal is regarded as being so strict and high toned in the profession as to lean backwards. but I don't know any ethical reason why a professor in the old alternative medical school of Philad. should separate its lines. especially if said school has kept & promises to keep its prof. in a starvation salary. The fact is the University is about hopeless I fear as a field of botanical promise. I was obliged to remove my herbarium from it to my home, because they would not share it: library ditto. And with a large class of students clamoring for and actually sending me petitions in writing I can get neither room nor dissecting microscopes. beyond a place 20 ft. square and 9 dissecting microscopes. Mitchell who is head of the Com. on medical instruction is I believe in sorrow over it, but what can he do?

I have lots of promise. Indeed it is a land of promise with the entrance I fear full forty years away. I tender a fellow pulling in the lumbago. It is always the first thing I have when I start on an expedition. My neck next and then I am fit for service. Remember as my time is of rarely importance than yours. I'll take the lumbago if it would let you up.

I hope I may find myself in a few weeks able to invest in those two sets of Florida plants you have on hand each holding 200–250 species. I mean those of Curtiss. I also want to try for the set of Young Vasey advertises, but times are so outrageously stringent and I have spent so much in putting my coll in shape that it still is a case of doubt. I must set them sometime, as this is the very region I most need from.

My kindest remembrances to Mrs. Gray

Ever Yours

J. T. Rothrock

Strasbourg Sept. 2nd 1880

My dear Dr. Gray

I suppose you are now or shortly will be in New. So I direct to you there. Thus far I have stayed in Strasbourg (except 2 excursions into the Vosges) If I knew when you would be in Geneva I should try to meet you there – that is if it were agreeable to you to have me do so. A trip to Switzerland will be the only travel I shall indulge in as time here is to me quite too precious to waste in mere sight-seeing. Much as I shall enjoy it. Of course I can now understand the whole mystery of Johns Hopkins. Dr. Schimpfer is a good man. And one whom I am glad to see going to America. And all that I can possibly do, from principle and from a real genuine friendly feeling I shall do to make him feel that, though he may be in a strange land he has real friends and admirers near. I hope to see him often. Though with all this piling comes the thought that my last chance for a professorship of any importance is gone. Places might open in the Western States but for the present my range is limited to within a few hours of West Chester. Philadelphia gives no promise whatever.

As for your advice to do some original work while here. I want to. but when you consider that I am here not only to learn the language, but to acquire as large a range of facts as possible in a very short time you will readily understand that the field of original research under the circumstances must be a very narrow one. I want to make one objection My dear Dr. to your implication most kindly put honor in your letter to me before leaving home. that I had done no original work. I think those chapters of mine in the first of my report may be fairly considered original, and I see they are to

considered in Europe. There too, though I claim little for the specific, and nothing for the generic discriptions I think there still remains a body of facts in the book, as altitudes etc. which will be regarded as having a value. In fact I know where less important work has put men into the National Acad. If deBary thinks I will have time for some original work, I will most gladly embrace the chance. I like him very much, first because he is the first teacher in Europe and second because (please pardon the direct personal allusion) he reminds me of my good friend Asa Gray very much in his manner mode of expression etc.

Thurber I learn is about to come to Europe, though I dont know where to direct to him. I am enjoying every hour of my time, now in vacation I give it all to my German and will even during Term Time keep up my lessons. So that even if I dont get back here I shall at least be able to read what is written here. If I go to Switzerland I shall only remain in Geneva 24 hours and part of that I must devote to a lady, formerly a patient of mine, whom I sent to Europe for her health, which she found in a very happy marriage with a Swiss gentleman. The three weeks of term time which remained after I reached here were mainly devoted to Pennsylvania. I beg you will present my kindest remembrances to Mrs Gray, and express the wish for me that in this trip to Europe she may find a new lease of life and health.

As Ever Yours

J. T. Rothrock

Strassburg in Elsace

Germany

Regenbogen Gasse. 1.

De Bary expressed the wish that you would take Strassburg in your travels, and come after September so that he could see you "without fail."

West Chester Pa. Oct. 7. 1884

My Dear Dr Gray. I return herewith Dr J D Hookers letter for use of which I am much obliged. That man has not since put in an appearance. And if he does you will see from this "blue print" scrap that I am prepared for him.

On same scrap I have taken a twin shellbark which has a certain bearing on your previous paper on the Mexican hickory nuts. I am making these things now so that they can be electrotyped (or Leadtyped) right from the glass negative and so save cost and inaccuracy of engraving. Of course the work is not so artistic but it has manifest advantages which will become greater as the process is more developed —

Mrs R joins me in kindest remembrances to you and Mrs Gray. Yours

J. T. Rothrock

Please inform me if Sir Joseph Hookers letter reaches you

Over

Oct 8th 1884. Dear Dr. Your letter and scrap of my handwriting were received a few minutes ago. Thanks for both. I presume you intend me to keep the specimen, and unless I hear from you to the contrary will do so. I shall write to Pringle, and if I find I can afford it will take a set of his plants.

My good little wife joins me in love to you and Mrs. Gray and says I must say to you that she has not yet got done talking about that delightful trip and that she never will get done thinking of it.

The fungal genus which was suggested for me, I found on the leaves of a Magnolia at Brandon, Va. It is a remarkable thing, but so deadfully small that, when pointed out, one must look again and again to see it — in fact it is smaller than my aspirations. So let hold on to the Coccelpiad if you think it a good genus.

Yrs Ever

J. T. Rothrock

region of Birds. You see I dare not presume to think of Botany this year. If I did I should forget the work which it became necessary for me to enter.
But next and the succeeding years I hope to prove I have not forgotten my first love. Give my best regards to Mrs Gray.

As ever I am
Yours Very Truly
J. Trimble Rothrock

Direct to me New Westminster
British Columbia
Major Popes Party,
Care of Colonel Cleveland Telegraph.

Fort Alexandria British Col,
June 22nd 1883.

Dear Doctor

Well here I am at last on the Fraser River in Latitude 52° N. Circumstances have conspired to prevent my doing any scientific work this year at all. You perhaps know before this what those circumstances were and how we Kennicott and myself were involved. Please let your opinion in the matter remain in status quo until I see you. Or if you don't know about the affair I will explain on my return to the states.
Next year or as soon as I get back from this overland trip to Nootka Sound I have the promise of being sent to the Kurile Island or wherever else I desire. Don't think I shall return to the States for at least four years.

Our next move will be to Lake Fraser thence to Babine from which place we set off into the terra incognita between there and the head of the Stuekin River, at which place I hope to be by the 10th of August, so that I shall have time to get to Lake Francis before snow sets in. Once at this Lake we shall have down stream or a good river - Pelly to our Ultima Thule. I have walked the party 280 miles during the last 17 days. This was done to test who possessed the "grit" for explorers. Some have failed to come up to the standard and are now dismissed. The rest I think would prefer a month on Tripe de Roche or boot legs to turning back. Not more than six of us will go on from Stuekin River to Fort Yukon. I don't think my eyes to the fact that we run a risk in attempting it.

At the late season we will have to. Yes: if a fair share of skill and an honest devotion to the cause will be of any avail we have at least the first earnest of success. Once through with my connection with this Company I will go home or at least by the way of Peace and Red River. However all this is conjecture. A few days ago the report was in circulation that Davis & Breckenridge had been hung. The sets in Victoria draped their houses, and were off in the usual form. Next day contradicted the report, at which all the aforesaid Sets waxed wroth. The scenery along the Fraser is grand, for at least one half its way the river runs at a peculiar rate through a canon at least 1000-1500 feet deep which it has worn through the solid rock. The character of the forest vegetation is rather monotonous, which with the exception of cottonwood is made up of evergreens. In a few days we expect to strike the

West Chester Dec. 1st 1887

My Dear Dr. Gray

I have just heard of the return of Mrs. Gray and yourself, and I follow my impulse to write my own welcome immediately. This is merely to say how glad I am to hear we have you on this side of the Atlantic: for I have nothing of special importance to speak of. The enclosed ticket will show just what is uppermost in my mind now. I have about 175 fairly good lantern slides ready and hence will get the views on the screen from 14 to 20 feet in size. By the way I must say that among them are three good views taken by my friend Mr Bradford of the large Cedar trees of the Natural Bridge. If you still admire

them as you did a few years ago and will drop one the slightest hint in the world you shall have them very soon. By the way I owe Prof Sargent a letter on the tree question & will write it very soon. We are fairly well. I am probably as strong as I ever shall be. My wife and Mr May join me in congratulating you on your safe return.

Sincerely Yours.

J. T. Rothrock

By the way If you do get to the city of Phila this winter, we cannot possibly allow you to go by without taking one look at our Biological Dept. We It has become a growing power, and promises to do something one day. You really must come & take a look at us at the Biological.

West Chester July 8. 1888

My dear Dr Gray.

I must thank you for the papers sent and especially for the kind way in which you have linked my name to that very conspicuous genus of South-Western plants. I have just decided to accompany Hyatt in his Yacht to Western Newfoundland this year. We will be gone three months. I expect to make some good collections there, possibly something important may turn up. Of course I'll have my Camera along and wind and weather allowing will get some good bits of scenery to bring home as remembrances. We are at last, fairly in our feet in the New Biological Building. And have the Bunk Philadelphia herbarium there. I propose to put my classes very carefully through your whole 3 Volume series of Botany as I

have two years with four hours a week to do it in. Of course along with recitation there will be much laboratory work.
It is simply astonishing to me what an interest is being manifested in Botany in Philadelphia at last.
Mrs Rothrock desires me to give her love to you both
Ever sincerely yours
J. T. Rothrock

University of Penna. March. 5. 70

Dear Mrs Gray.

I must thank you for the great pleasure my stay at the Botanical Garden gave me. It was a refreshing of old, and sacred memories. Mrs Rothrock sends her love, and thanks for the photograph, which she likes very much. Dr Darlington's correspondence I shall look up coming Saturday

Faithfully yours.

J. T. Rothrock

487 Hudson St. N. Y. City - 3. 19. 90 -

My Dear Brother

A letter from Sister Anna rec^d this morning in regard to Dr. Gray's correspondence with Dr. Darlington inclines me to reply direct to thee in order to save time - Various persons have written to us within a year or two to obtain some of them but generally the same answer have been sent - All the books we retained were packed by "L." in 3 barrels [& stowed in the farm house garrett at J. H. Darlington's] they are difficult of access & neither son wish them disturbed until they desire to take possession & dispose of the contents of which there is no prospect at present - it would be of considerable labor & L. did not expect or wish, any one but one of his sons to unpack them until they were to be moved elsewhere - neither could do the work now unless compelled to do so - So many of R's letters were bound, two in one volume, that neither party could have the book - I regret we are not able to oblige Mr Gray but really at present it does not seem possible -

very kind in thee to offer thy help - but the work would be too difficult - & perhaps all the labor useless - know not what ravages damp, rats &c may have made -

West Chester July 2nd 1[illegible]

Dear Mr Gray,

I do not reach Boston until Saturday morning; but will be very glad to accept your kind invitation to spend Saturday night at the Botanic Garden.

To me the place and the friend and the association all are sacred memories.

Mrs Rothrock sends love

Very sincerely

J. T. Rothrock

West Chester - Pa. March 23rd 90

Dear Mrs Gray

It is really too bad that such a spirit as the enclosed letter reveals should be found among good people: but so it is. If these Darlington heirs were reasonable people one might hope for something: but they are not. and I am convinced there is no use in trying to move them. I told one of the relatives this morning. that it was Dr Darlington, not Dr Gray, who was to be honored by the association. and that I regarded it as extremely kind in you to be willing to place him in the volume with the world's greatest botanist.

Kindest regards from us all.

Yours truly

J. T. Rothrock

Will send these Runic? pictures soon.
They are two miners.

West Chester Pa. July 7. 91

Dear Miss Gray,

I have just returned from my long cruise, and hasten to thank you for the beautiful wood cut of Dr Gray. To me it brings back more than I can express. How often I have seen him with just that calm judicial expression. To a stranger it might seem too serious an expression, but it reminds me of Dr Gray writing some critical notice of a new book or pondering on the weighty problems of Botany.

Now my heart aches for poor Mr Redfield. Miss Clara as you know was a lovely character, taken altogether too soon for her friends but only to a happier life above for lovely.

I am in good health I think at last. The loss of my finger is of course bad

but I was lucky in escaping with my life. We have made fine collections, and our return from the First University Exploring Expedition has made quite a sensation in Philadelphia.

Mrs Rothrock and I both hope to drop in on you before the year passes. With kindest regards from us all.

I am sincerely yours

J. T. Rothrock.

I have obtained some very fine views (for my illustrative lectures) in the Bahamas and Jamaica, and am already overrun with application for lectures – 16 calls in one week.

wife and mother, who joins in kindest wishes, is still young, active and engaged in every charity of the town

Ever sincerely yours

J. T. Rothrock.

West Chester. Mar. 3rd 1894

Dear Mrs Gray:- The note of which you speak Vol. 2. p. 484 would be correct if it read J. Trimble Rothrock, of McKeyton, Pennsylvania, b. 1839; botanist of Western Union Telegraph Expedition to British Columbia and Alaska, and also of Wheeler's Survey West of the 100th meridian; Professor of botany in University of Pennsylvania since 1877.

These are the facts, alter, or abridge in any way to suit your own ideas and it cannot fail to satisfy me. I am still a Prof. in the University of Pa. Absent from that post to work up the forestry interests of the state.

I had a brief notice of Dr Gray's letter in last number of Forest Leaves of which I think Mrs Rothrock sent you a copy.

I wish I had been allowed space to have made it fuller. The type-setter made a ridiculous blunder - James, instead of Jane Carlyle.

We are having a nice start for spring but will doubtless end with cooler weather. My family are all well except the oldest boy, Addison who was unfortunate enough to break his left arm in some athletic sport. He is doing ~~well~~ well. Just think my oldest one are M.D. on duty in Hospital - and second one will be graduated in medicine in another year. Elizabeth almost a young lady. But the good

Wolf & Rothrock, S. Colorado

8, 11. Ribes oxyacanthoides
20. Campanula Scheuchzeri
29, 30. Rumex occidentalis
34. Polygonum amphibium (P. aquaticum, by slip)
25. Eriogonum Jamesii
26. " " var. flavescens
60. Phacelia glandulosa
61. " sericea
62. " glandulosa, var. hakuexicanum
63. Hydrophyllum occidentale, var. Fendleri
64. Asclepiadora decumbens
324. Ipomoea coccinea

Astragalus aboriginum – dwarf.
0. Astragalus = 207.
1. " = 227.
2. Oxytropis viscida
3. Chenopodium ~~sedum~~ Fremontii, S.W.
4. ~~Blitum~~ " glaucum
5.
6. Monolepis chenopodioides
7. Chenopodium hybridum
8. " ~~[illegible]~~ olidum
9. Atriplex hastata.
260. } Chenopodium = 254.
1.
2. Atriplex = 259.
3.
4. Chenopodium leptophyllum
5. } Sarcobatus vermiculatus
6.
7. Suaeda depressa.
8. Atriplex canescens
9.
2)0. } Blitum capitatum
1.
2. Blitum rubrum
3.
4. Amaranthus retroflexus
5. " albus
6. Suaeda = 267. var. erecta
7. Atriplex Wheleri, n. sp.
8. Atriplex hastata
9. Phacelia ciliata
280.
1. P. — glandica
2. P. Parryi
3. P. crenulata
4. P. procera
5. Cast. pallida, sphaeriantha
6.
7. = 285. var
8. Cast. miniata
9. " integra
290. " integra
1. Cast. acuminata,
2. " allida
3. " pumila
4.
5. " glaucus var
6.
7. " glaucus var
8.
299. = 291

96. } Delphinium
7. } ~~Aquilegia~~ Menziesii
8.
9. = 110. Ranun. gelasinus
100. Ranunc. hyperboreus
1. Ranunc. cymbalaria
2. Anemone narcissiflora
3. Trollius laxus
4. } Anemone multifida
5. }
6. Geum triflorum
7. Anemone patens, v. Nuttalliana
8.
9. Caltha leptosepala
110. }
11. } Ranunc. sceleratus = 116. 99
12. }
13. } Ranunc. aquatilis, v. trichophyllus.
14. }
15. }
16. = 110.
17. Ranunc. multifidus var. repens
18. " adoneus
19. } " affinis
20. }
21. Oenothera triloba
22.
23. Ranunc. affinis, var. cardiophyllus = 170.
24. Oenothera = 121.
25. " pinnatifida
26. " coronopifolia
27.
28.
29.
130. Oenothera = 125.
31. Oenothera biennis.
32. " caespitosa
33.
34.
35.
36.
37.
38. Oenothera Hartwigi
39.
140.
1. Oenothera = 131.
2. Epilobium latifolium
3. " angustifolium
4.
5. Epilobium tetragonum
146. Gayophytum ramosissimum

Hippuris vulgaris
7.
150. Gayophytum = 146.
1. Epilobium paniculatum
2.
3. Epilobium = 145.
4.
5.
6. Epilobium = 145.
7.
8.
9. Claytonia coccinea, glabrous form - ✱ 210.
160. } " coccinea
1. }
2. Ranunc. repens?
3. Aquilegia caerulea
4. " Canadensis
5.
6.
7.
8. Ranunc. hyperboreus
9. Myosurus aristatus
170 = 123. [Trifolium involucratum] (4a. number?) 17-.
1.
2. }
3. } = ~~120~~ Ranunc. Flammula, var. repens
4.
5. Trifolium nanum
6.
7. Trifolium Parryi
8. Trifolium involucratum, var.
9.
180. Mitigenia refracta
1. Psoralea lanceolata
2. } Trifolium dasyphyllum
3. }
4. Trifolium = 177.
5. Lathyrus linearis
6. Vicia Americana
7. Lathyrus palustris?
8. Spiraea trifolium - tomentosa form.
9.
190. Glycyrrhiza lepidota
1. Hoffackia pubescens
2. Desmanthus velutinus
3.
4.
5. Lupinus Sileri
6. " argenteus
197. " " var. decumbens, form
198. Lupinus pusillus
9.
200. Lupinus caespitosus
1. Thermopsis fabacea, v. montana
2. Lupinus argenteus, var. decumbens
3.
4.
5.
6.
7. Astragalus multiflorus
8. Antennaria Carpathica
9. Potentilla = 367.
210. Arabis hirsuta = 639, 641, 643, 644, 650. 649
1. Astragalus ~~adsurgens~~ ? = 245 ?
2. " iodanthus ?
3. Oxytropis multiceps
4.
5. Astragalus Drummondii
6. " racemosus
7. Oxytropis deflexa
8. Astragalus campestris
9.
220. }
1. }
2. } Oxytropis Lambertii
3. }
4. }
5. " splendens
6. Astragalus Fendleri
7. " ——?
8. " Hallii
9. " ——?
230. " campestris
1. " hypoglottis
2. " conoscapus
3. " oxyoides, v. Americana
4. " pectinatus
5. " junceus?
6. " adsurgens
7. " Parryi
8. Sophora sericea
9. Astragalus bisulcatus
240. " Missouriensis
1. " Shortianus
2. " = 231
3. " tegetarius
4. " = 229.
5. } " alpinus
6. }
7. " = 228.
248. " gracilis

300. = 299
1. = 295
2. Plant. secundiflorus, nuale
3. Plant. ~~[illegible]~~ Hallii
4.
5. " tubatus var. Torreyi
6. = 281
7.
8.
9. Elatine americana
310.
1. Mimulus floribundus
2. " Jamesii
3. " luteus
4. Callitriche verna
5.
6. Synthyris plantaginea
7.
8.
9. Orthocarpus luteus, slender
320. Pedicularis racemosa
1. Rhinanthus crista-galli
2. Chionophila Jamesii
3. Castilleja virginica
4. Castilleja coccinea
5.
6. =
7. Veronica serpyllifolia
8. Collinsia parviflora
9.
330. Veronica peregrina
1. = 327
2. " alpina
3. = 327
4. " americana
5. = 330
6. = 334
7.
8. Stellaria longifolia
9. Stellaria Jamesii
340. " crassifolia
1. } Sagina dimorphi
2. }
3. } Arenaria Rossii ?
4. }
5. Arenaria verna, var. hirta
6. Arenaria verna
7. Arenaria lateriflora
8. ~~Cerastium vulgatum~~ = 350
9. Arenaria Fendleri
350. Cerastium vulgatum, v. Beringianum

351. } = 350.
2.
3. } ~~350~~
4. Allonia gracilis
5. Silene Menziesii
6. Androsa sept —
7. " "
8. " "
9. " "
360.
1. Silene Greggii
2. Silene acaulis
3. Lychnis Drummondii
4. Silene acaulis, var.
5. Potentilla tridentata
6. " nivea
7. " Hippiana = 209
8. " gracilis
9. Ivesia depauperata
370.
1. Potentilla = 375.
2.
3. Potentilla rivalis
4. } " Pennsylvanica
5. }
6. } " Plattensis
7. }
8. " dissecta
9. " glandulosa
380. Geum macrophyllum
1. " rivale
2. Potentilla anserina
3. " gracilicosa
4.
5. Geum Rossii
6. Ivesia Gordoni
7. Geum = 365.
8. Rubus strigosus
9. " deliciosus
390. Rosa Arkansana ~~Blanda~~
1. }
2. } Rosa blanda
3. }
4. Geum triflorum
5.
6. Amelanchier Canadensis, var. alnifolia
7. Cowania Mexicana
8. Fallugia paradoxa
9. Dryas octopetala
400. Prunus demissa
1. Spiraea dumosa
2. Fragaria Virginiana

755.
6. = 759.
7.
8. Geranium Richardsonii
9. Geranium caespitosum
760. Polanisia graveolens
1. Cleome Sonorae
2.
3.
4.} Mentzelia multiflora
5.}
6. Cleome integrifolia
7. " aurea
8. Mentzelia albicaulis
9. Sedum Rhodiola
770. " stenopetalum
1. Sedum rhodanthum
2. Valeriana edulis
3. " dioica, v. sylvatica
4. = 272
5.
6. Corydalis aurea, v. occidentalis
7.
8. Mentha arvensis
9. = 781
780. Hedeoma hyssopifolia (Scutellaria resinosa)
1. Scutellaria [illegible]
2. (Vulneraria alata) Dry ashy lucidus var. [illegible]
3. Stachys palustris
4. Dracocephalum parviflorum
5. Stachys palustris
6. Gentiana procera (Gentiana amarella)
7. Gentiana [illegible] (Gentiana [illegible])
8. Monarda fistulosa
9. Monarda citriodora (Gentiana [illegible])
790. Gentiana [illegible] speciosa
1. Gentiana lividus
2. Menyanthes trifoliata
3. Gentiana perennis
4. Gentiana tenella
5. Beaucornia - frequent
6. = 800
7. Saxifraga flagellaris
8. " caespitosa
9. Saxifraga Hirculus
800. Saxifraga nivalis
1. Gilia multicaulis
2. Saxifraga bronchialis
3. Saxifraga punctata
4.} Heuchera parviflora
5.}
6.
7. Portulaca oleracea ?
8. Abronia fragrans
9. " cyclopterа
810.} Oxybaphus angustifolius
1.}
2.} Abronia = 808
3.}
4. Oxybaphus = 810
5. Abronia = 809
6.} Mirabilis multiflora.
7.}
8. Quercus undulata
9. Salix
820. "
1. "
2. "

Gentiana affinis.

403. Sibbaldia procumbens
4. Solidago virgaurea, var. humilis
5. " Missouriensis ??
6. " Canadensis, var ?
7. " virgaurea, var. alpina
8. " nemoralis, var.
9. " = 404, form
410. Gutierrezia Euthamiae, form non microphylla
1.} " "
2.}
3. Bigelovia Douglasii, var. tortifolia
4.} Gutierrezia = 411
5.}
6. Townsendia sericea, var.
7. " [acaspitosa] Rothrockii n. sp.
8. " " form
9. " sericea
420. Machaeranthera canescens, var. [illegible]
1. Ximenesia encelioides
2.} Brickellia grandiflora
3.}
4. Baccharis salicina
5. Gnaphalium stricktum
6. " palustre
7. " = 425
8. " = 426
9. Artemisia ludoviciana, var.
430. " scopulorum
1. " tridentata
2. Gnaphalium = 425, depressum
3.} Artemisia = 205
4.}
5.}
6.
7.
8.
9.
440. } Artemisia Norica, forms
1.
2.
3.
4.
5.}
6. Bigelovia Douglasii
7. " = 413
8. " = 452
9. Tetradymia canescens, var. inermis
450.
1. Aplopappus macronema
2. Bigelovia graveolens
3. " Parryi

454. Bigelovia Bigelovii
5. Machaeranthera = 420.
6. Baccharis = 424, male
7. Actinella acaulis, var.
8. Liatris scariosa.
9
460
1
2
3
4. Chrysopsis villosa, var.
5. Aplopappus Buttalii
6. Malacothrix Fendleri
7. Pectis angustifolia
8. Zinnia grandiflora.
9. Aphyllon fasciculatum on Artemisia
470. Aplopappus spinulosus, var. frigida.
1. " Parryi.
2. " imuloides.
3. Gutierrezia = 414, Sparopsis scabrous form.
4. Aplopappus lanceolatus, var.
5. } Hymenopappus luteus?
6. }
8. Bigelovia Douglasii - broad hard.
9. Villanova chrysanthemoides.
480. Achillea Millefolium
1. Chenactis Douglasii
2. " " Graff.
3. Gaillardia aristata
4. Actinella Richardsonii
5. Aplopappus = 474.
6. Aster salsuginosus
7. Erigeron grandiflorum, v. latius
8. Aster falcatus
9. Erigeron macranthum
490. Erigeron = 467.
491. Machaeranthera tanacetifolia.
2. Aster adscendens
3. Erigeron compositum
4. " uniflorum
5. " ursinum
6. Erigeron = 493, var.
7-9. Machaeranthera canescens
500. Aster Douglasii?
1. Aster = 445.
2. Machaeranthera = 420
3. Erigeron divergens
4. Aster = 446.
5. Mach. = 491
6. Erigeron = 489.
507. Mach. = 497.

704. = 692
5. = Schizopappus Redivivus
6. Crossandra Hooker
7. E. — too poor to tell
8. Eritichium nanum
9. } Mertensia lanceolata
710.
1. Cymopterus glomeratus
2. Archangelica Emulinii?
3. Heracleum lanatum
4. } Ligusticum scopulorum
5. }
6. Ligusticum mutellinum
7. } Ligusticum apiifolium
8. }
9. } = 716.
720.
1. = 714.
2. = 712
3. Archemora Fendleri
4. = 716.
5. Cymopterus Alpinus?
6. Musineon divaricatum
7. Thaspium trifoliatum
8. } = 716.
9. }
730. Sium lineare
1. = 725
2. Apiastrum apiifolium
3. Steironema ciliatum
4. Primula Parryi
5. Dodecatheon
6. Primula angustifolia
7. Primula fissa -
8. P. rotundifolia.
9. " secunda
740. " minor -
1. Vaccinium caespitosum
2. Arctostaphylos uva-ursi
3. Phyllodoce -
4. } Gilia aggregata
5. }
6. } " pinnatifida.
7. }
8. " congesta.
9. " spicata
750. Campanula rotundifolia.
1. " Scheuchzeri
2. = 750
3. = 759.
754. Erodium cicutarium

653. Arabis patula
4. " drummondii
5. " patula, form
6. = 653
7. } = 654
8. }
9. = 653.
660. }
1. } = 654
2. }
3. }
4. Crepis runcinata
5. } Troximon parviflorum
6. }
7. } Machaeranthera troximoides, var.
8. }
9. Same as Trox. glaucum – too young
670. Mulgedium pulchellum
1. } Stephanomeria minor
2. }
3. Senecio longilobus
4. " Bigelovii, var. monocephalus
5. = 677
6.
7. Collomia linearis
8. Gilia tenuisecta
9. Phacelia angustifolia
680. = 681 ?
1. Phlox longifolia, var
2. Gilia Nuttallii
3. Polemonium caeruleum
4. P. confertum, var. mellitum
5. Polemonium pulcher
6. Collomia linearis
7. Cobanthus flavibundus (Collomia linearis)
8. Phacelia, [illegible]
9. nothing,
690. = 693
1. = 692
2. Eritrichum, California
3. Lithospermum multiflorum
4. ? Amsinckia Douglasiana
5. Nemophila, too young
6. Eritrichum Jamesii? too young
7. ~~Collomia linearis~~
8.
9. Phacelia glandulosa
700. Eritrichum glomeratum
1. Eritrichum too young
2. Eritrichum glomeratum, var
703.

508. Aster paucifloccus
9. " adscendens?
510. " Fendleri
1. Machaeranthera = 497 var.
2. Same, var.
3. Erigeron Bellidiastrum?
4. " pumilum
5. " = 494.
6. Aster = 48.
7. Townsendia strigosa
8. Erigeron flagellare
9. " macranthum? form varying
520. Aster = 46 doubtf. ~~L. grandiflorum~~
1. " adscendens, var.
2. " "
3. " between last & next
4. " falcatus, var. ciliatifolius
5. " adscendens, curious form?
6. " " var.
7. Erigeron armeriaefolius
8. Artemisia biennis
9.? " ludoviciana
~~521.~~ "
~~2.~~
~~3.~~
~~4.~~
~~5.~~
~~6.~~
~~7.~~
~~8.~~
~~9.~~
530. } Artemisia dracunculoides
1. }
2. " Canadensis
3. not found.
4. Franseria Hoskeriana
5. } Artemisia borealis
6. }
7. Euthamia lanata
8. Artemisia frigida
9. " ludoviciana, v. mexicana tom
540. Thelesperma gracile
1. Hymenopappus lutensis
2. " flavescens
3. Thelesperma = 540
4. Bidens tenuisecta
5. Villanova = 479.
6. Helianthella uniflora
7. Helianthus lenticularis
8. " Nuttallii
549. Rudbeckia hirta

550. = 549.
1. Heliomeris multiflora
2. Chrysopsis villosa, v. foliosa
3. Helianthus petiolaris
4. Heliomeris = 551.
5. Chrysopsis villosa, var. hispida
6. Wyethia Arizonica
7. Senecio Fendleri
8. " aureus, var. borealis
9. " canus, var.
560.
1. } " eremophilus
2. }
3. " triangularis
4. } " andinus
5. }
6. " = 555
7. " longens, var. foliosus
8. Arnica foliosa
9. " alpina, var.
570. " cordifolia
2. Senecio Fremontii = 571.
3. " Soldanella
4. " = 572.
5. " = 573.
6. " = 572
7. " aureus, v. alpinus
8. Actinella grandiflora
9. Aplopappus = 472
580. Nardosmia sagittata?
1. Senecio aureus, v. crocceus
2. " = 555, form
3. " cernuus
4. " Bigelovii, v. monocephalus
5. " = 555, form
6. " = 552.
7. " = 573.
8. " aureus, v. Wooneriaefolius
9. " spartioides
590. Nasturtium sinuatum
1. Thelypodium linearifolium
2.
3. Erysimum asperum, v. Arkansanum
4. " "
5.
6. = 594.
7. Lepidium intermedium
8. Sisymbrium incisum
9. = 594.
600. Erysimum cheiranthoides
1. Smelowskia calycina
602. Draba muricella
3.
4. } Camelina sativa
5.
6. } Sisymbrium virgatum = 652
7. Thlaspi cochleariforme
8.
9. } Cardamine cordifolia
610
1.
2. } = 595.
3. = 590
4.
5. } = 595.
6. Nasturtium obtusum
7. " " var.
8. = ~~[illegible]~~ 590
9. Lepidium alyssoides
620. Lepidium integrifolium
1.
2. Lepidium Fremontii
3. " montanum
4. Lepidium intermedium = 597.
5. = 590. + montanum
6.
7. } Nasturtium palustre
8. Draba nemorosa, var. lutea
9. Draba aurea
630. Draba — ?
1. = 629
2.
3. } Draba streptocarpa
4. = 629.
5. Draba crassifolia
6. = 625.
7. Draba nemorosa, var?
8.
9. = 210 = Arabis hirsuta
640. = 594
1. = 647
2. Vesicaria Engelmanni ?
3.
4. } = 210
5. Thelypodium integrifolium = 471
6. Draba alpina, v. glacialis
7. Vesicaria montana
8. Physaria didymocarpa
9. = 210. = A.
650 ~~= 210~~ Arabis ~~hirsuta glabra~~ perfoliata
1. = 600
2. = 605.

823. Salix
824. "
825. "
6. "
7. " = 824.
8. "
9. " = 819.
830. " reticulata
1. Populus
2. " tremuloides
3. Salix
4. Populus angustifolia
5. "
6. Ephedra antisyphilitica
7
8 } Betula glandulosa
9 }
840. Alnus ~~incana~~ var. glauca
1. Betula occidentalis
2. Pinus contorta
3.
4. Juniperus Virginiana
5. Pinus flexilis
6.
7. Pinus Balfouriana
Acer glabrum - same number.
8.
9. Pinus edulis
850.
1.
2. = 725
3.
4.
5.
6. Vesicaria stenophylla
7. Lobelia gruina
8.
9. Ipomoea (Rhaphis) ~~tri~~ ~~pur~~
860. Pentstemon antirrhinus
1.
2. Besuvium Portulacastrum
3.
4. Gilia rigidula
5. Houstonia rubra
6. Coriospermum hyssopifolium
7. Astragalus = 231.
8. Arenaria congesta
9. Alliomia incornata
870. Hymenopappus tenuifolius
1. = 645
2. Coriospermum = 866

873. Blitum rubrum, v. humile
4. Trifolium = 175.
5
6. Chamaerhodos = 703
7. Eriocoma cuspidata
8
9
880. Phragmites communis
1
2. Brizopyrum spicatum, v. strictum
3
4
5. Beckmannia eruciformis
6
7. Spartina gracilis
8
9
890
1
2
3
4
5
6
7
8
9
900.
1
2
3
4
5
6
7
8
9
910.
1. Juncus
2. "
3. "
4. "
5. "
6
7
8
9
920.
1
2. Lycopus
3 "
4. Cyperus
5. Juncus
6} Eleocharis
7}
8. Eleocharis
9. Juncus bufonius
930. "
1. "
2. "
3. "
4. "
5. "
6. "
7. "
8. Carex
939. Spiranthes

940. Lilium Philadelphicum
1. Calochortus Cunningsii
2. Triglochin maritimum
3. Lloydia serotina
4. Leucocrinum montanum
5. Sisyrinchium Bermudianum
6. Allium reticulatum
7. " mutabile
8. " cernuum
9.
950. Zygadenus glaucus
1. Triglochin = 942.
2. " palustre
3. Smilacina stellata
4. Potamogeton
5. "
6. Sparganium eurycarpum
7} " simplex
8}
9. Potamogeton = 955.
960. "
1. " lonchites
2. Spiranthes
3. Habenaria
4. "
5. "
6. "
7. Iris Tolmiana
8. Eriophorum
9. Potamogeton ?
970. Elatine americana
1. Tillaea angustifolia
2} Limosella aquatica
3}
4. Juncus = 929.
5}. Elatine = 970.
6}
7. Eleocharis = 926.
8. Eleocharis = 928.
9. Cyperus = 924
980.
1. Ribes = 8.
2. Lithophragma tenella
3
4. Mitella
5. "
6. Limosella = 972
7. Callitriche autumnalis
8.
9. ~~[illegible]~~ = 807
990. Elatine = 970

Tellima tenella : 200 number

1110 Tillaea angustifolia

Pencedanum medicaule
tickets lost.

Toulouse, le 3 fev. 1876.

Romagnère

Monsieur et très honoré Professeur,

Je prends la liberté de vous demander si vous conviendrait pour me rendre service d'échanger un fascicule de moules américains (et en possible quelques doubles de l'Ohio de Charles Sullivant)

avec un ou deux exemplaires (je dis deux dans le cas où on en accepterait un pour l'Université) de mon Ouvrage Champignons d'Europe.

Si vous daignez accueillir ma prière je me ferais un devoir de vous adresser dès votre premier avis mes livres franco par la Poste.

La Poste ayant bien réduit ses tarifs, il est aisé aujourd'hui de transmettre des petits paquets de plantes sèches croisées au prix de 08 centimes par 50 grammes à titre de papiers d'affaires.

Quelle que soit votre décision sur ma prière

Je resterai toujours votre fidèle et respectueuse confrère

en Christ

E. Rommegère

Membre de l'ordre des Frères Prêcheurs

37 Place du Pont Toulouse

CAMBRIDGE C FEB 4 76

TOULOUSE 4E 2 FEVR. 76 HTE-GARONNE

Monsieur Asa Gray Professeur
de Botanique à l'Université

(Etats unis d'Amérique) à Cambridge
Massachusetts United States

CAMBRIDGE A FEB 16 76

Toulouse, le 26 mars 1876
Rue Riquet 37

A. Monsieur Asa Gray, Professeur de Botanique à l'Université de Cambridge, Directeur du Jardin des plantes.

Je suis très flatté de pouvoir votre gracieuse réponse en date du 7 mars et suis bien heureux de vous adresser un exemplaire de mon Histoire des Champignons d'Europe

Je vous prie instamment de ne pas m'indiquer la valeur commerciale de ce livre. Puisque vous me donnez l'espoir qu'il sera possible dans quelques mois de détacher des doubles de la collection Bryologique de feu M. Sullivant Je vous remercie de cette bienveillante promesse et j'en attendrai patiemment la réalisation. Je serais enchanté de posséder quelques types déterminés par ce savant et en devant à votre générosité ils en prendront à mes yeux un prix encore plus grand.

J'ai cherché inutilement encore à avoir un correspondant dans votre beau pays afin de posséder une série de vos élégantes mousses

dont la connaissance m'importerait beaucoup en
ce moment où j'écris un Exposé de la Famille des
Mousses. M. le Professeur Lesquereux à qui j'ai
pris la liberté de m'adresser m'a très courtoisement
expliqué que ses abondantes récoltes en Mousses
n'étaient pas encore classées et qu'il ne pouvait
répondre à mon vif désir qu'après un dépouillement
de ses récoltes fait en Europe par M. Schimper.
C'est un projet bien éloigné sans doute d'autant
que M. Schimper est je le sais absorbé par la
préparation de la 2e Édition de son Synopsis
Muscorum. Mais je me flatte que votre obligeant
projet de m'accorder quelques fragments des espèces
doubles de l'herbier Sullivant, pourra être plus
prochain. Fort de votre attentionné, quand
vous possédez M. le Professeur Lesquereux
près de vous je me fie à la sympathie qu'il
a bien voulu prêter à mes travaux. En
vous remerciant par avance je me dis
Monsieur et très savant confrère votre bien
dévoué Serviteur,

C. Roumeguère

Toulouse, le 22 février 1878

Monsieur et très honoré Maître,

Depuis longtemps j'ambitionne de pouvoir placer votre photographie dans mon Album de Botanistes célèbres et j'ose la solliciter comme une marque nouvelle de votre bonté pour moi.

Je prends la liberté de vous offrir ma carte-portrait. Je souhaite qu'elle vous rappelle un des admirateurs les plus sincères de vos travaux.

Dans le temps, lorsque j'eus le plaisir de vous envoyer un de mes ouvrages vous eûtes la bonté de répondre à mon désir d'obtenir quelques types de moisissures américaines que vous espériez pouvoir me réserver une part dans les Doubles laissés par M. Duriaeant. J'ose vous rappeler cette bonne promesse, vous assurant que vous me rendrez

bien heureux lorsqu'il vous sera possible de vous en rappeler et de l'effectuer !

Je saisis cette occasion, Monsieur et très honoré Maître pour vous offrir avec mes vœux en faveur de votre santé, l'expression de mes sentiments bien distingués et bien dévoués

C Rommegnies

Rue Rigaud 37

Thursday 20th Sept. 1855

Royle

My Dear Dr. Gray.

As you are going so shortly to London & as you offered to take any little parcel for me lately. I am in hopes you will be good enough to do so for another. My little boy girl who is now here for a short time takes 2c.

returned to London on Monday
forgot some little things which
I am anxious to send over
to him. They are of no real
value, but I know he would
like prize them highly.
If it would not inconvenience
you. I will you could obtain
Mr Ralph's kindness. By taking
this very small parcel on
to London lying it to Sir
Lindsay who lives near on
Lch country. Hoping yet that
they get over to England on
time enough to see you
I remain Dear Sir Yours
Yo very truly
J. Farber Ralph
If you could take the parcel
pray leave it at your hotel. I shall
send for it tomorrow.

Lord's House
28th January 1861

Lady Sarah Williams presents her compliments to Mr Bolton

My Dear Sir

In reply to your kind note enclosing my parcel to Miss Eden, I beg to inform you that I have heard from Sir John Williams in consequence of his having written to this house, addressed to my care. The writer meant with his Lady to have called to visit you in the afternoon, as Mr Rustan has appointed 5 o'clock

for the time of visiting his
place at Woodstock. The
Prince's change will not memorialize
you.

Believe me

Yours very truly

[illegible]

Should recall to see your
place. as I am meaning
to go a little past one of my
sons — Forbes is a learned
Gardener Professor. I think
you will see Valentia Museum
of Botany is a little time

Recd. Nov. 1,

Rugel

My Dear Sir!

I received your letter on the 14 of Octbr. I would have had great Pleasure in seeing you when you wer on the Grandfather & Rowan mountain I was on the Black Mt the 7-9 of July and in the second time (August) 14 days and it was not good weather.

I thank you for the trouble for getting subscribers for my plant. I received one letter from Mr. Shuttleworth before I left Portsmouth, he wrote that he wanted all my collection and if I do not want, he will keep all commissions from me. — in this case I cant brake it up — I want for my next Traveling in Tenessee & Alabama all the collection that I make in that Region for you & subscribers not more send to Carolina I will sent direct to you — if you my tell before next April 1842 how many collection you want. I make another Arrangement with Mr Shuttleworth I want pay all expenses of their transmission to and from Berne for the 5 Collections.

If you and friends want plant from this register I have every kind in many Exp. in Berne, send me a letter to Knoxville post office in 4-8 Years what plant you want and how many.

Pleas excuse me for this time as I cant not fill your wishes ~~in this~~.

I remain yours very respectfully

C. Rugel

Rutherford County 16 of October 1841.

Address this 8-10 of Nov. care of Mr. Wm Harris

12 Miles from Rutherfordton via Ashville.

In der neulichen Zeit noch sehr schwach, muß ich meine Muttersprache zu Hülfe nehmen u. nochmals einige Notizen beifügen. Es ist mir sehr leid Ihrem Wunsch mit direkter Übersendung der in diesem Jahre hier gesammelten Pflanzen nicht Genüge leisten zu können, indem ich auf ausdrückliches Verlangen meines Freundes R. I. Shuttleworth in Bern, denselben die [illegible] Naturalien direct zu senden. Als ehrlicher Mann kann ich für dieses Jahr nichts an dem Contracte ändern, u. bin bereit mein Wort zu halten, wenn auch mit Geldverlust. Doch da sich mehr Subscriber für meine Bot. Reisen in der Union erklärt haben, so werde ich mir eine [illegible] gegen Mr. Shuttleworth verschaffen, was einzig bei einem größeren Interesse der amerikanischen Botaniker für meine Unterstützung in der [illegible] kann. Je mehr Subscriber ich erhalte in N. Amerika um so mehr ist meine Existenz u. Unabhängigkeit von Europa gesichert – ich werde alle Hindernisse bestmöglichst bekämpfen, welche meinem Unternehmen im Wege stehen – meine Reisemethode naturalisiren, wozu alle meine Kräfte nöthig sind. Ich habe Lust im nächsten Febr. od. März von Tenesse nach Alabama bis Tallahasee Florida zu reisen, allein die Subscribentenzahl ist noch zu klein um die Reisekosten zu tilgen, hoffe aber für diese Reise in Amerika circa 10 Collection abzusetzen zu können, was mit 15 bis 20 Collection in Europa [illegible] würde die Auslagen vollkommen zu tilgen. Ich wünschte sehr Ihre Meinung in Bezug meiner nächsten Reise nach den Gegenden von oben Alabama u. Tenesse zu bringen.

Je größer die Zahl der Subscribenten – ich mache keine Rechnung auf [illegible] Pflanzen erhalten zu können, die [illegible]. Jede Arbeit ist des Lohnes werth – ich habe hier mehr Gelegenheit für Gesundheit [illegible] Wissenschaft einzig die magnetische Kraft [illegible]. Ich [illegible] für die folgenden Jahre [illegible] u. kann den Contract mit Shuttleworth [illegible]. Sollten Sie einige von den beigefügten Register Europ. Spec. [illegible] vom 5. [illegible] mitzutheilen, so [illegible]. Alle Collection von 1838 u. 39 sind gut conservirt u. ich [illegible] in 6–8 Wochen Postoffice Knoxville Tenesse [illegible] direct von Mr. Shuttleworth die Desideraten Liste [illegible] Kiste mit Pflanzen u. Sie haben 2 Monate Zeit zur Auswahl [illegible] Botaniker [illegible] arrangiren. [illegible] Adresse [illegible] mittheilen – bis dahin muß ich bitten die Flora nicht zu senden.

Haben Sie die Güte mein Verhältniß in Überlegung zu ziehen u. mich Ihrer freundschaftl. [illegible] bis ich Ihr

ergebenster

F. Rugel

Kleinere Bestellung von 100 Exps (od. 1 Centurie spec.) werden nicht abgegeben vom beifolgenden Register.
1 Centurie franco New York 5 Dollars – die Auswahl kann nach Belieben der Abnehmer [illegible].

Register of Mountainsplants from south Schwyzerland. collected by F. Rugel 1838.

Androsace imbricata Lam.
Anemone Halleri All.
3 sulphurea L.
3 vernalis Mill.
Apargia crispa Willdw.
Aretia vitaliana Gaud.
Artemisia glacialis L.
3 helvetica Schl.
3 nana Gaud.
3 Valesiaca All.
Astragalus exscapus L.
3 Leontinus Wulf.
Cacalia leucophylla Willdw.
Carex approximata Hoppe
3 bicolor All.
3 rupestris All.
Colchicum alpinum DC.
Draba incana L.
Erigeron uniflorum L.
Eritrichium nanum Gaud. = Myosotis nana L.
Euphrasia lutea L.
Festuca Halleri Vill.
3 pumila Vill.
3 valesiaca Gaud.
3 violacea
Gentiana alpina Vill.
Geum reptans L.
Herniaria alpina L.
Hieracium lanatum Vill.
Juncus arcticus Willdw.
Koeleria hirsuta Gaud.
…agonium carinthiacum R. Brw.
…nis alpina L.
…is rotundifolia L.
…tropis cyanea Bieberst.
3 foetida DC.
3 Lapponica Gaud.
Pedicularis atrorubens & rostrata L.
Phaca alpina L.
Phyteuma hemisphaericum & humile Schl.
3 pauciflorum L.
Poa caesia Sm. & Poa alpina L.
3 laxa Hke.
Potentilla aurea L. & multifida L.
Primula longiflora All. & viscosa All.
Ranunculus gramineus L. & parnassifolius L.
3 rutaefolius L.
Saponaria lutea L.
Saussurea alpina DC.
Saxifraga diapensioides v.
Scabiosa graminifolia L.
Scutellaria alpina L.
Senecio carniolicus W. & uniflorus L.
Sisymbrium pinnatifidum DC.
Thalictrum foetidum DC.
Thlaspi rotundifol. Gaud. & Sylvium Gaud.
Tofieldia borealis Whlbg.
Trifolium saxatile All.
Valeriana celtica All.
Vicia lathyroides L.
3 lutea L.
Viola pinnatifida L.
3 pumila Vill.

Plants south of French, collected by F. Rugel 1839.

Anemone stellata Lam.
Ranunculus muricatus L. & chaerophyllos L.
3 ophioglossifolius Vill.
Roemeria hybrida DC.
Matthiola tristis R. Br. & tricuspidata R. Br.
Malcomia parviflora DC.
Cistus albidus L. & monspeliensis L.
Frankenia intermedia DC.
Linum campanulatum DC.
Genista pilosa L. & candicans L.
Cytisus triflorus L'Her. & argenteus L.
Anthyllis Barba Jovis L.
Medicago marina L.
Melilotus sulcata Desf.
Trifolium glomeratum L.
Dorycnium hirsutum β incanum Ser.
Scorpiurus sulcata L.
Astragalus Massiliensis L.
Coronilla coronata & juncea L.
Hippocrepis ciliata W. & unisiliquosa L.
Hedysarum spinosissimum L.
Onobrychis Caput Galli L.
Vicia sativa β angustifolia Roth
Ervum tetraspermum DC.
Lathyrus articulatus L.
Lupinus hirsutus L.
Lythrum hyssopifol. L.
Vaillantia muralis L.
Valeriana puberula DC. & tuberosa L.
Centranthus calcitrapa Desf.
Phagnalon saxatile Cass.
Evax pygmaea Pers.
Asteriscus maritimus Moench.
Pyrethrum maritimum Sm.
Convolvulus lineatus L. & Cantabrica L.
Teucrium pseudochamaepytis L.
Lavendula Stoechas L.
Coris monspeliensis L.
Plantago subulata L.
Passerina hirsuta L. & Tartonraira DC.
Euphorbia Gerardiana Jacq. & Pithyusa L.
Quercus Suber L. Lagurus ovatus L.
Airopsis globosa Desv.

Plants of Pyrenaes orient. collected 1839. F. Rugel.

Thalictrum alpinum L.
Adonis pyrenaica DC.
Ranunculus Villarsii DC.
– Aconitum pyrenaicum Lam.
Papaver pyrenaicum L.
Sarcocapnos enneaphylla DC.
– Alyssum spinosum L. & macrocarpum DC.
– Iberis spathulata Berg. & Garexiana All.
Biscutella variabilis β nana Lois.
Cistus crispus L. & laurifolius L.
Helianthemum umbellatum Mill.
Astrocarpus sesamoides DC.
Dianthus pungens L.
Silene ciliata Pour. & inaperta L.
Arenaria tetraquetra β aggregata Gay.
Erodium petraeum Willdw.
Cneorum tricoccum L.
Genista pungens L.
Ononis minutissima & cenisia L.
3 ramosissima Desf. & striata Gouan.
Anthyllis cytisoides L.
Medicago suffruticosa Ram.
Trifolium Cherleri L. & angustifol. L.
Dorycnium rectum Ser.
Hedysarum humile L.
Onobrychis saxatilis DC.
Vicia pyrenaica Pourr.
Potentilla nivalis Lapyr. & hirta L.
Punica Granatum L.
Paronychia argentea Lam. & serpillifolia Tour.
Umbilicus pendulinus DC.
Sedum hirsutum All. & saxatile L.
Saxifraga adscendens L. & geranioides L.
3 hypnoides L. & media Gouan
3 muscoides Wulf & pubescens DC.
Eryngium Bourgati Gouan.
Bupleurum fruticosum L. & glaucum R. & Cast.
Angelica pyrenaica Spr.
Thapsia villosa L.
Lonicera pyrenaica L.
Galium maritimum L. & pyrenaicum
3 Villarsii Req.
Crucianella angustifolia & maritima L.
Cephalaria leucantha Schrad.
Senecio artemisiaefol. Pers.
3 cineraria DC. & leucophyllus DC.
Phagnalon sordidum DC.
Pallenis spinosa Cass.
Anthemis montana L.
Anacyclus Valentinus L.
Achillea chamaemelifolia Pour.
Santolina incana & squarrosa DC.
Carduus carlinoides Gou.
Haechelina dubia L.
Xeranthemum erectum Pers.
Scolymus grandiflorus Desf.
Carlina corymbosa L.
Lactuca tenerrima Pour.
Crepis blattarioides Vill.
Hieracium compositum Lapyr.
Andryala Ragusina & sinuata L.
Catananche caerulea L.
Jasione humilis Pers.
Gentiana pyrenaica L.
Convolvulus saxatilis Vahl
Linaria striata DC.
Pedicularis pyrenaica Gay.
Bartsia Trixago L.
Veronica Ponae Gou.
Teucrium Polium & flavescens
Phlomis Lychnitis L.
Sideritis scordioides L.
Statice bellidifolia, & auriculaefolia
3 diffusa Pour & oleaefolia Pour.
Plantago argentea Lam. & maritima L.
3 serpentina Lam.
Camphorosma monspeliense L.

Koehia prostrata Schrad. Polygonum maritimum L. Daphne Gnidium L. Paronychia dioica Kunth.
Bristolochia Pistolochia L. Mercurialis tomentosa L. Salix pyrenaica Gouan. Luzula spadicea DC
Imperata arundinacea Cyr. Andropogon hirtum L. Polypogon maritimum L. Melica ramosa Lag.
Cornephorus canescens P.B. Dactylis hispanica Roth. Sesleria disticha Pers. Briza maxima L.
Cynosurus echinatus L. Lepturus incurvatus Trin. Triticum Poa DC. Triticum Rottboll. DC.

Deposit for Sale by M. R. T. Shuttleworth in Berne. 100. Exp. of each kind 5 Dollars
frei New York.

MUTHERFORD
OCT 18
N.C.

Dr. Asa Gray
Care Wilson & Hutchins
New York

Ruprecht

St. Petersburgh $\frac{11^{th}}{23}$ May 1862

Sir,

Your merits in advancement of the botanical science & especially of the Botany of North America have yet long time given to You a claim, to be put on the list of Correspondents of the Imperial Academy of science of St. Petersburgh. This title is only an honour, allied without any duty, is only an acknowledgement of an eminent position in a respective speciality. The U.S. correspondents of our Academy are only 3 viz. Mr Maury, Washington, Mr Dana, New Haven, Mr Harlan N. York. Correspondent-members for Botany: Russian: Turczaninow, Bunge & Trautvetter; foreign: Brogniart, Martius, Sir W.J. Hooker, Fries, Schleiden, Göppert, Nöll, Decandolle, Montagne, Dr J.D. Hooker, 1 vacancy. In consequence of the restricted number of members, the elections are subjected to some difficulties, the propositions must be repeated & supported by arguments -

If You desire to be proposed, I am ready, to interced for Yours candidature prima loco. In this case please You to communicate to me, in private manner, some remarks to the most important discoveries, which the science is indebted to Your indefatigable activity. With many of Your valuable works I am acquainted, but some general views are perhaps overlooked by me, or known only to You & not yet published &c. — The candidate must be proposed Oktober 1862. Your assistance is also desired in consequence of my long absence from Petersbourgh in 1860 & 1861 by an official mission to the East Caucasian mountains. I am now all in the study of Caucasian plants & in experiments of new acclimatisations for this country. There can be planted all useful trees & plants of N America, good seeds of which is not even easy to buy in Europe (Wellingtonia, Nuttalia, Schlingia &c)

Recommendations of such establishements & Ac., communication of Catalogues of seeds &c. shall be accepted very gratefuly. I hope, You have received in a good condition a herbarium of Amur ~~plants~~ with the work of Maximowicz, brochures & some seeds from Amur, forwarded ~~by~~ care of Mr Brandts & Co per ship Sebastian, Boston 27 Mai 1859. All communications to me must be adressed „Imperial Academy of science St Pet. (, not Imp. Botan. Garden.)

Sir, I am Your very faithfuly

Respectly

Ruprecht

La Paz, Bolivia, Jan 25, 1885

Dear Doctor:

I believe that I had not time before leaving the United States to thank you for your kind letter of Jan 6, containing good wishes for the success of my trip.

Up to the present time my duties have been largely of a business nature, so that I have had time to collect only some 400 or 500 species of plants, and some 50 species of birds. Besides this I have been sick a great deal, the results of seasickness, from which I very nearly died, and which has threatened me with nervous failure. What studying I have done has been mostly in chemistry, concerning drugs, and has been very interesting, and will, I think, prove of more or less practical value. I have collected information concerning about 150 plants used as remedies, which are not recorded in any work on

Materia Medica. Of all these my present knowledge points to one of one as being worthy of introduction. This is Fabiana imbricata R. & P. of Chile, which will, I think fill up a gap in the treatment of kidney diseases, especially in general, but injurious in Bright's Disease. While these plants have no practical value, a knowledge of them is of great value to me in studying a thing which is to be my special work, — the relation between the botanical and the therapeutical groupings of plants. About this center cluster a group of problems, relating perhaps as much to vegetable physiology as to therapy.

But while I have not collected much, I have observed closely, and with an indescribable eagerness. I wish that I could write you of some of the beautiful spots that I have seen — and I will yet do so. If you can only live until I publish a little running account of my trip, for the people, you will read some pretty pictures, I am sure.

Why I now write to you, is to ask a great favor of you. That you will address a note to the President of Bolivia, recommending me for the position of Botanist of this country, and sending the same, as soon as is convenient, to John Clay Jr. ~~Boulton~~, 60 Maiden Lane, New York who will forward it to me. Bolivia is the only country that remains (almost wholly) unexplored, and I should like very much to spend a few years here. At the same time I feel sure that I can repay the country for employing me, and know our own country, which thus far is not represented by any continuous and systematic botanical explorer in So. Am.

If Prof. Watson can say anything good of me, and Prof. Farlow as well, their testimony would be of great aid, for with these people, "spread" is everything. They are so poor that I have little hope of success, but I have some powerful friends here, and a good lot of recommendations, may work up their enthusiasm to the bursting point.

Sincerely yours,

H. H. Rusby.

La Paz, Bolivia
Nov 12, 1885

Dear Doctor:-

In thanking you for your kind letter of Sept 4, which I do most earnestly, I regret to say that the finances of Bolivia are in such a wretched condition that no survey of any kind can be expected for a long time to come. Owing to the unproductiveness of the mines, exchange has fallen 70% in six weeks. I shall, therefore, soon start on my eastward journey, via Mapiri and Beni Rivers, to Para.

I frequently think that I ought to write you descriptions of the vegetation here, for I am sure it would interest you. But I am unmethodical; up to the present moment I have written 204 such pages as this for the weekly post of today, - an unusually large mail, however.

The most striking thing that I have seen is the resemblance of the flora of

the coast a little south of the Guayaquil River, & south of our Dr. Martin Grant. Not only in general features but in genera and even species. It is remarkable, because north of that point it has an aspect of tropical luxuriance. I wished much to collect there, but only had a few hours at the principal ports, and was horribly sea-sick, even when ashore. Certainly no observer could fail to be reminded of a time when there was a different sort of a connection between the two grand divisions. The abruptness of the change from luxuriance to sterility was also striking. Another very interesting thing was the dwarfed character of the vegetation on the table-land between Iquique and Sa Rosa. I have never seen anything like it (Pennea will show you on my return) A nine-high-climbing — of the lower part of the western slope, became shorter and shorter as we ascended; until it was only a little hair among the stones. Besides this variation, there was a distinct ~~conception~~ divergent species on the alto, and another, very stunt, as we descended the eastern slope. A shrub with flowers like a Zauschneria was large and stunt near the summit, but rapidly became a low mat of stems. The difference was as striking as between the type and the var circumscription of Spiraea millefolia. I really could not decide whether I had three species or only 3 variations of this common thing. A Berberis (?) out of season, supposed varying as great a change. If these variations were surprising, much more so were the habits of these species peculiar to the mesa. A leguminous plant whose minute flowers whiten the entire table land, has their wing-petals flat upon the ground, while the leaves are merely green threads, like those of some algae. A plant which replaces it in wetter places — apparently in Primulaceae — covers the ground so uniformly as to leave no space to sit for a considerable space — hundreds of yards. It scarcely reaches an inch in height. Its leaves must be erect, for

they are too densely placed to assume any other direction. They are spine-pointed and sometimes strong enough to pierce thin shoes. I think no animal can feed upon them. Several Townsendia-like Compositæ have their rosettes lying upon the ground, as well as their dandelion like heads. Beautiful little Saxifrages (?) plants are the same as the Primulacea spoken above described. In the very shallow rills we find the bottom covered with flowering vegetation, and there the llamas & alpacas graze with their noses in the stream. Their flesh should be more tender and delicate than it is. This table-land is walled in on the east by the last Cordillera, a glistening mass of snow and ice, the most wonderfully beautiful spectacle that my eyes have ever rested upon; and the imagination cannot surpass it. Illimani on the south, Sorata on the north, and Huayna-Potosi in the center, with a dozen lesser and inaccessible peaks,

impart to the whole ridge an aspect of unapproachable-ness. How strange it seems, how hard to realize, that from its summit a cannon ball could be sent tearing among the tropical vegetation upon the other side. We cross it six leagues east of La Paz, and begin our descent into Yungas, the richest province of Bolivia. The road is so winding, and there are so many ridges and deep valleys to cross, that, we are two days in reaching the coca-fields. But the ride is a delightful one, and as we pass ~~through~~ among Fuchsias, Calceolarias, Begonias, gorgeous Melastomaceae — the Rhododendrons of the Andes, bamboos and the-bees, with occasional groves of oranges, bananas and coffee plants, each turn bringing into sight — not something new — but a whole panorama of beauties, we really become satiated and weary, to scan-tinizing a world of which we know absolutely nothing.

In Yungas I spent altogether more than two months, and collected some 700 or 800 species, 100 of them accompanied by wood-sections. The leading family here is Orchidaceae, of which about 300 species can be found in a square mile. Probably Filices and Piperaceae come next, Piperonia apparently comprising 1/2 the species of the last-mentioned order. Bromeliaceae is of course a large order. A family of plants (trees) with 3-ribbed leaves, and panicles of delightfully fragrant white (variegated with purple) flowers, is very conspicuous. ~~Lauraceae~~ Euphorbiaceae is perhaps even ahead of Filices, and all its sections are represented. Oxalis — as ever all of Bolivia, is varied. There are few Ericaceae, but high in the mountains it is a very abundant class. Tupas and Tupa-like plants are common. Bignoniaceae are more abundant than Scrophulariaceae. Of course Leguminosae is generous with puzzling forms. Rosaceae are few, but Rubus presents a number of curious species, the fruit borne in inverted panicles at the ends of the very slender stems and branches. Strangely enough, here where most fruits are sweet and insipid, Rubus is so acid and dry and highly-flavored as to be most edible, as scarcely so. Strawberries, though few, are fine. The attractiveness and flavors of Blackberry and Raspberry compensating for their paucity. Vitis is common, many species, as well, the fruit. Cactaceae are of course everywhere, the flowers of one delicately fragrant at night. There are Cactaceae hung upon the trees. Ericaceae, Compositae, abound and I have become quite familiar in them. Ranunculaceae, many Cruciferae and Umbelliferae, Cyperaceae and Gramineae are very scarce indeed. The same [illegible] side of Vanhelmontia. There are two species of Cruciferae, Bryophyllum, Pachyrhizus.

though I would willingly go on. With your permission I

shall hope to publish my notes through the Smithsonian

Do not attempt to reply, as you cannot catch me. I hope to reach home in May, and to make my pilgrimage to Cambridge in June, at which time I shall hope to meet you.

Very truly yours

H. W. Rusby.

13 Nov 1885

Have you published any papers during 1886?

Office of Parke, Davis & Co.
Importers of Drugs,

John Clay Manager.

Cable Address—"PARKEDAVE."

60 Maiden Lane & 21 Liberty St.,
New York,

Jan. 3, 1887

Dear Doctor:—

I hasten to announce the safe arrival of myself and my collections on the 27th ult. I am going to Detroit for two or three weeks and then return to New York and spend three to six months in the Meissner collection working at my plants. My twin, Dr Britton, is as eager for the fray as I am, and we anticipate a great feast. I have collected in the neighborhood of 300 species.

Please accept my sincere congratulations on your attainment of your 75th birthday, of which I just learned from Mr. Sargent's fine paper. I hope you will enjoy many more years.

Your sincere friend
H. H. Rusby.

ORGANIZED 1866
INCORPORATED 1875
H. C. PARKE, President. GEO. S. DAVIS, Sec. & Treas.
Parke, Davis and Company
DETROIT
Michigan, U.S.A.
"PARKEDAVE" CABLE ADDRESS.
~~BRANCH OFFICE,~~
~~60 Maiden Lane & 21 Liberty Street,~~
NEW YORK.
~~Home Office, Detroit.~~

Herbarium Columbia College

Mar. 19 1887

Dear Doctor:-

I had no idea that you were going to Europe until informed the other day by Prof. Bailey & I should have been to see you. I had planned to visit Cambridge with Dr Britton during Easter. Now I shall wait until your return.

I have some 20 sets of my So. Am. plants for sale, comprising between 2000 and 3000 specimens. The specimens are much better than what usually come from those countries. The collection is the

first made in most of the region traversed, from La Paz to the Falls of the Madeira, via River Mapiri, Beni and Madeira. My price is £10 — per hundred. I assure you that transportation on the specimen alone has amounted to 5-4 each. They are very large. I am in hopes that you can help me to sell some sets in Europe. I will send you a package, as fair an average sample as I can select.

I wish to thank you for remembering me in the naming of certain specimen during my absence.

I beg leave to have you a copy of my review of Pittonia for the next Bulletin. I have taken a great deal of time to think of what I should say, and I hope that its effect will be good

Mr. Greene is a much-loved friend and I hope that he will come out all right.

I have a Galium from Joque exactly intermediate between G. virgatum and G. proliferum as to the fruit, but with broad thin leaves. If it is not accorded a rank equal with that of G. proliferum, then it will "knock the spots" out of that species.

Very truly yours

H. H. Rusby.

I wish that you may have a very safe and pleasant visit to Europe.

Parke, Davis & Co.

Columbia college

New York, Sept 15 1887

Dear Mr Watson:-

Do you feel like attaching a specific name to the anhalonium on the basis of the material at hand? I enclose one that seems to be in better condition. We cannot handle it scientifically without a name.

Did Dr Britton understand correctly that the college would take a set of my Dr. Rose plants? We distribute as fast as they are opened to their genera. We have received No. 836.

Yours

H. H. Rusby.

PARKE, DAVIS & CO,
MANUFACTURING CHEMISTS,
DETROIT, MICHIGAN, U. S. A.

LABORATORY AND GENERAL OFFICES: Detroit: McDougal Ave., Atwater St., Joseph Campau Ave. and Guoin St.
BRANCH OFFICE AND WAREHOUSE: New York: 60 Maiden Lane. 21 Liberty St.

HERBARIUM DEPARTMENT.
H. H. RUSBY, M. D., CURATOR.

For Exchange—Many thousands of specimens, to which we are constantly adding collections from our agents in various parts of the world. Physicians making collections will do well to send us their lists, as we use many of the common species in exchange.

All vegetable forms (sent in duplicate) named for the specimens.

All packages from foreign countries should be sent to Parke, Davis & Co., 60 Maiden Lane, New York City.

New York
~~Detroit, Mich., U. S. A.~~ Sept. 24 188

Dear Sir:—

In reply to yours of the 16th, I will say that

1st My plants were collected, about 60 in the vicinity of Valparaiso, 40 on the table-land about La Paz, at an elevation of about 10,000 ft., 2/3 of the remainder on the eastern slopes of the Bolivian Andes, between 3000 and 13,000 ft., and the remainder on the Beni and Madeira Rivers as far as through the falls, all below 3000 ft. This is as near as I can remember.

2nd The number will vary from 1500 to 3000, according to the number of the set that you receive. They decrease at the rate of about 5% with each set, so that you can receive as many plants as you choose by simply indicating your wishes.

3rd The price is $10.00 per hundred. There is no personal inducement for me to make a

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Detroit, Mich., U. S. A., 188

reduction, as I can readily sell them all. As I am really desirous of having a set placed in Harvard I will do as I did for the Phila. Academy, contribute 10% toward the purchase. I will request that the offer be considered confidential.

I should perhaps explain that I am as poor as anybody. I rec'd these plants from the house not as a perquisite, but in lieu of salary.

We are using every means to get better material of the Cactus for your study.

Very truly yours

H. H. Rusby.

New York, Apr 20, 1888

Dear Dr Watson:—

I send description in Therapeutic Gazette of Anhalonium Lewinii, Henning, which has just reached me. To the statement concerning the ignorance of American botanists I have replied "On the contrary, Prof. Watson, to whom it was originally referred, was perfectly familiar with its genus, and even expressed the opinion that it was a new species, but receiving one of the first specimens, without either flower or fruit, he was unwilling to commit himself as to its specific identity."

I wish to add that it was Mr. Meehan, and not I, who called it a Dorstenia. I sent it to him as a cactus, because I knew he had given that family special attention, and he replied that it was not a Cactus, but a Dorstenia. I supposed he knew, so accepted the statement, much to my present mortification, now that I have examined it.

Very truly yours

H. H. Rusby.

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Columbia College
New York, Jan 21 1888

Dear Dr Watson:

I have been away for two weeks, so your card of the 10th did not reach me promptly.

I thank you for your attention to the package of Umbelliferae, and will notify Dr. Britton of the fact.

Is there any probability that the College will purchase a set of my Sp. Am. Plants? The sets numbered as follows

No 9 — 1012 specimens
" 10 — 933 "
" 11 ———
" 12 764 "

After 12 there are a few very small sets. I am still hoping that I may be able to sell sets to Harvard, Cornell and Wellesley.

Very truly yours — H. H. Rusby

Sept. 3

Price of lasper set? Will take it if reasonably satisfactory. Applicator & trip. licates should be taken into account.

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Columbia College
New York, Sept 5, 1888

Dear Dr. Watson! —

In reply to your favor of the 3rd I beg to state that my largest set of plants, No 9, contains 1012 specimens at 10¢ = $101.20. From this I will make a reduction of 10%, or, say, sell them to you at $90.00. I will not make this reduction in the case of any other college. I have all along been very desirous that Harvard should have my So. Am. collection represented.

Thanking you for your attention,

Very truly yours
H. H. Rusby.

Allow me to announce the birth of my son, — a remarkably large and healthy child, on the 16th ult.

Columbia College
New York, Sept. 11, 1888

Dear Dr. Watson:-

I call your attention to the following points in connection with the plant-set shipped today.

1. I send by Am. Ex., prepaid, as cartage to the freight-station would cost me about the same as the expressage.

2. I find that the janitor of the college had placed the larger of the two packages directly on a damp floor, so that some specimens at the bottom of the parcel had become mildewed. These, to the number of 27, I have removed and deducted from the bill. Beyond a musty smell that is communicated to the whole parcel, I cannot see that the others are injured.

3. Whenever there are changes in genera on final determination, please indicate the genus to which the plant is now referred so as to enable you to find it.

4. The preceding sets have gone to the following parties

No 1. Columbia College.
" 2. Parke, Davis & Co.
" 3. Mr. Cauley
" 4. Mr. Smith
" 5. Cal. Univ.
" 6. Phil. Acad.
" 7. Dept. Ag.
" 8. Princeton.

5. I will send you regularly the reports giving determinations, so that you can have them keeping round.

Trusting that you will find all satisfactory

Very truly yours
H. H. Rusby

Columbia College
New York, Nov. 11, 1888

Mrs. Asa Gray
Cambridge, Mass.

Dear Madam:—

I beg to express my thanks for your kind attention in sending me a copy of the List of the Writings of Dr. Gray, which I find an astonishingly long one.

Very truly yours
H. H. Rusby.

Columbia College
New York, Dec. 11, 1888

Dear Dr. Waterman:-

My Indian museum, to the number of about 50, are now ready for distribution. Also the China set which I forgot, I think, to send with the other Islands.

Shall I send them on?

Very truly yours,

H. H. Rusby

Columbia College
New York Dec 21, 1888.

Dear Dr Watson:-

By mean I send you sets of Cinchonas and mosses, which I trust you will find satisfactory.

Very truly yours
H. H. Rusby.

254 Clifton Ave., Newark, N.J.

Jan. 2nd. 1890.

Dear Dr. Watson:-

As you probably know, Dr. Britton and myself have made an arrangement to maintain a collector in Bolivia, and to support his work as far as possible by the sale of specimens. The sets are offered at $10. per hundred, and the yearly collections will probably amount to about 600 numbers. The first fascicle is now ready for distribution, and the specimens are very fine. If you are willing, I should be pleased to send you a set for inspection with a view to purchase.

With the best wishes of the season,

Sincerely yours,

H. H. Rusby

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All vegetable forms [sent in duplicate] named for the specimens.

All packages from foreign countries should be sent to Parke, Davis & Co., 60 Maiden Lane, New York City.

254 Clifton Ave
Newark, N. J. Jan 7 1890

Dear Dr Watson:—

In accordance with your last favor I send you today by Am Ex. the 1st fascicle of the Bangs plants, which I hope you will find satisfactory. There are 138 specimens from which 10% is deducted for some common things; or if you prefer them I will send bill for $1.20

Very truly yours
H. H. Rusby

Mentha aquatica
Artemisia absinthium
Borago officinalis 2
Anthemis Cotula
Plantago lanceolata
Melilotus alba
Senecio vulgaris
Malva parviflora
Geranium Carolinianum
Nasturtium officinale
Chenopodium album 2
Sonchus asper
Portulaca pilosa
Rumex crispus
Euphorbia Peplus
Medicago sativa
Spartium junceum
Erodium moschatum
Chenop. ambrosioides

Solanum radicans, — dup.

139
1
138
2
136
14 = 10%
12,20

19

136
19
11,70

169 Mt. Prospect Ave.
Newark, N.J. July 4, 1890

Dear L. Watson:—

We have just received 600 specimens of Bolivian plants from Mr. Bang, and the specimens are very fine indeed. They will be distributed within the month.

I write to inquire if you wish your set to contain the 25 or 30 mosses, lichens &c. among them.

Also whether you desire a complete set, or prefer to have me remove such as you received in my own collection, where the number of such is insufficient to supply all the sets. For example, it I have only 13 of No. 489. Shall I omit it from your set (No. 7) and add your specimen to Set 14, provided you received that species in my collection. While there are many duplicates, Mr. Bang visited the region at a different season, so the ~~species~~ plants ~~were~~ are frequently in a different stage of development. Yours H. N. Rusby.

HERBARIUM OF HARVARD UNIVERSITY,
BOTANIC GARDEN, CAMBRIDGE, MASS.

July 5th 1890

Dear Dr. Rusby,

You may include the brown cryptogams in the Harvard Sets of Bangs Collectors.

In any case when you know that ~~all~~ good specimens of any species were sent us in your own collection I am not particular about having them again. You may leave out the common ~~cultivated~~ weeds. of cultivation

Yours very truly

Asa Gray

COLUMBIA COLLEGE HERBARIUM.

NEW YORK. Aug 23 1890

Sam L. Watson! —

Your set of the Bay plants went forward this morning. Besides the small contained package marked "weeds" I have omitted from the count other common plants and actual duplicates, to the number of 30;— every thing so far as I know of it.

I did not find it practicable to omit those numbers which duplicated my previous collection sent you. It would have been an endless task to look up each number in my record-book. I trust that you will not find anything that is undesirable.

If it is possible for my bill to be settled this month I should be glad, for the expenses of the distribution have been great, as you are probably aware, Mr. Bay receives all the money except actual expenses incurred, and we have to advance all necessary funds.

Very truly yours H. H. Rusby.

Oct. 9, 1890.

169 Mt. Prospect Ave., Newark, N.J.

Dear Mr. Watson:-

Please accept my best thanks for the copy of your contributions, No. 17, which I value very highly. I shall have the pleasure of sending you next month a copy of my paper showing structural differences between the barks of Rhamnus Purshiana and R. Californica. I cannot help feeling after a long study of herbarium specimens and structural characters of the bark, that Rhamnus tomentella of Bentham is a good species. I cannot anywhere find specimens which show much of an intermediate character between this form and the R. Californica.

Very truly yours,

H. H. Rusby.

Tannersville, Ulster Co., N. Y.
Aug 23. 1891

Dear Dr Watson!

Please accept my thanks for copy of your Contributions, XXIII, which is of great interest.

A consideration of the way in which Ind. Corn acts under cultivation, and when neglected or partly wild, makes me feel suspicious that after all your G. canina is the source of G. Mays.

It is a pity that we have only an abstract of your paper on the Relations of the Mex. Flora. I shall not present any further communications to any society which will not print them entire. They may not be worth it, but then they are not worth reading either.

Very truly yours
H. H. Rusby.

THE BULLETIN OF PHARMACY.

Editor
B. W. PALMER, A.M., M.D.
Publisher
GEORGE S. DAVIS.

H. H. RUSBY, M.D.
Editor.
Department of Botany
and
~~Materia Medica.~~

169 Mt. Prospect Ave
Newark, N.J.
~~Detroit, Mich. U.S.A.~~ Dec 3 1891

Dear Dr Watson:—

I have prepared a written list of my South American plants, which I propose to send to those correspondents who desire to copy it. Please advise me if you are of that number and I will have Dr. Vasey forward it to you next.

Yours sincerely

H. H. Rusby.

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and
Materia Medica.

169 Mt. Prospect Ave
Newark, N. J.

~~Detroit, Mich. U.S.A.~~ Dec. 19, 1891

Dear Dr Watson:—

Dr. Vasey informs me that he has forwarded to you the list of So. Am. plants. When through with it will you kindly forward to the Botanical Dept. at Wellesley College, and oblige

Yours sincerely
H. H. Rusby.

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and
Materia Medica.

169 Mt. Prospect Ave
Newark, N.J.

~~Detroit, Mich. U.S.A.~~ Dec. 27, 1891

Dear Sir,—

I beg to offer my best thanks for your promptness and kindness in returning the package of grasses, which arrived yesterday and are indeed the ones which I have so long sought. I shall now be able to complete my list.

Very truly yours

H. H. Rusby.

THE BULLETIN OF PHARMACY.

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DETROIT,
MICHIGAN.

H. H. RUSBY, M.D.
Editor.
Department of Botany
and
Materia Medica.

169 Mt. Prospect Ave. Newark, N.J. July 11, 1892

Dear Sir:—

Please accept my thanks for your note on Mr. Bang's #746, distributed as Cactus clavigera H.B.K. It will be used shortly when I am writing up the Cactaceae of the collection.

Very truly yours

H. H. Rusby.

Report on the Herbarium of the Society by. John L. Russell.

The Society's herbarium contains, at this date, May 5. 1837. One hundred & fifty one plants properly ticketed & ascertained. Besides these, of which the greater number are native, there are two fascicles of foreign plants, one of very small specimens of plants of ponds & perfect leaves from ferns & shrubs of the Society's Island, which cannot be easily ascertained, & the other an exceedingly interesting group of New Holland plants, beautifully prepared & of great value. The herbarium to be accessible & easily consulted, needs to be arranged scientifically, each specimen in a seperate sheet of good, durable paper, without which plan, the individual specimens will be greatly injured. An alphabetically arranged Catalogue has been made so that the Society is enabled to judge what specimens it possesses in its Herbarium.

I beg leave to recommend an early attention of the Curators to this branch of our labours in Nat Hist'ry. If the Committee chosen to superintend the Exhibition of flowers were authorized to press every plant, native or foreign, which was not disposed of, by sale or otherwise after the Show, there would be accumulated in the course of the Season an excellent collection. A team of

common brown paper of a large size or some old newspapers, with the use of the botanical press described by Dr Locke of Cincinnati in Silliman's Journal Vol XXX: No 1: Page 54. (which please to see) should be kept in the Rooms and used for the purpose. As the plants dry let them be removed to the drawers of the Cabinet, for future disposition. This seems to me a [illegible] feasible plan & I trust it will meet with the hearty coöperation of every lover of flowers & sincere patron of this Institution.

Respectfully submitted by

John Lewis Russell.

Salem. 1837.

Report 2d

Nov 1. 1837. Fifty one species added since above date.

Total No ascertained 202.

J L R.

W. Virginica
Camptosorus rhizophyllus *
Scolopendrium officinarum *
Asplenium Ruta-muraria
A. Trichomanes *
A. ebeneum *
A. angustifolium *
A. thelypteroides *
A. Filix-foemina *
Dicksonia punctilobula *
Woodsia obtusa
W. Ilvensis
Cystopteris bulbifera *
C. fragilis *
Adiantum Thelypteris *
A. Pedatum *
A. pateus
A. spinulosum *
A. Spin. var dilatatum *
" " " Boottii *
A. cristatum *
A. Cris. var. Clintonianum *
A. Goldianum *

112 E. Genesee St.
Syracuse, Aug. 1st/75.

Mr. F. E. Davenport.

I should be happy to send you some specimens of Botrychium simplex. var. bifurcatifolium had I any satisfactory ones, but having been ill for several weeks have been unable to make a new collection of them and nearly all of those I had are gone.

But a friend of mine now in the North Woods writes me that she has found beautiful specimens of my

Fern and shall bring me some when she returns, the last of this month, then I will send you some, or before if I am able to reach the gulf where they grow.

Miss Hoskins very kindly gave me my first introduction to Ferns.

Of course my new fern would give me great pleasure, especially if our native ones, perhaps I had best send you a list of those I already have, and should you wish to add another to it it would be very acceptable.

Forty of the following list I have found myself in this Onondaga County.

Polypodium vulgare	*
P. incanum	
P. aureum	
Phegopteris Dryopteris	*
P. hexagonoptera	*
P. polypodioides	*
Cheilanthes vestita	
Nothoclæna Sullfata	
Cryptogramme crispa	
Thelypteris Germanica	*
Pellæa gracilis	*
P. atropurpurea	*
Pteris aquilina	*
P. longifolia	
P. cretica	
Adiantum pedatum	*
Woodwardia angustifolia	

Aspidium marginale *
A. aculeatum *
A. acrostichoides *
A. acros. var. incisum *
Onoclea sensibilis *
O. obtusilobata
Schizæa pusilla
Lygodium palmatum
Osmunda regalis *
O. Claytoniana *
O. cinnamomea *
Botrychium lunarioides *
B. Virginicum *
B. obliquum *
B. lanceolatum *
B. simplex *
B. dim. var. bipinnatifidum *
Ophioglossum vulgatum
Those marked with an asterisk are on Osmunda-

1 Aug 1879

ga ferns.

My husband's name is Stiles not Styles. I do not know how Professor Gray made the mistake, but it is a very common one.

Yours etc
Mary C. Rust.

specimens from the North Woods – We found specimens, from the size of her largest to the smallest we have either of us sent you, growing within 40 rods of each other (that was about the extent in length and half that in breadth of their habitat) out of a shaley bank, where early in the season was nothing else to be found, but later a few brambles and grasses. Have you yet seen Prof. Gray's specimen, that was one of the first I found?

The B. simplex I send was gathered in the same spot where I found the other I sent

Syracuse,
Sept. 19th 1875.

Mr. Davenport.

Having shaken thoroughly yesterday I supposed I can count upon this being a well day so have fitted up a package I wished to send you, and trust that my letter will be finished to accompany it.

I have always used my old Gray's Manual in analyzing ferns, and find that what is described there as "Adiantum Spiralosum"

in the newer editions is the variety intermedium. Will you let me know if the specimens I send today are the true Spinulosum, and if not why not? The frond is lance-ovate, the pinnae are oblique to the midrib, some of the lower pinnae are triangular, the pinnules along the secondary mid-ribs are oblong — and their divisions spinulose toward their apices. Will you tell me too what you use as a text book for ferns. Grays, English or French works or all? Is there any work on American Ferns besides Grays?

The drawing I send in the package, is one my daughter made of a fern I found last Spring. I have never seen any thing like it — it must be either Pellaea or Pteris. the margins of some of the segments look like young Pteris aquilina, the lower part of the stipe is dark but the upper is green — the venation you will see in the sketch — do you know what it is?

The Camptosorus I sent because it seemed to me particularly good specimens of rhizophyllus.

About that Botrychium — Mrs. Barnes told me she should send you one of her largest

19 Sept 1875

in ferns. I have studied
on alone in Botany,
teaching some of my
friends and children
what I knew of it - until
last Spring when a
few of us understood
"Sedges" together.

Believe me
Gratefully yours,
Mary C. Rust.

112. E. Genesee St.
Syracuse.
N. Y.

you, do you call them
both or either Gymnaeia?

(My package con-
tains
1 - A. Spinulosum (?)
2 - A. acrostichoides (?)
3 - P. hexagonoptera (?)
4 - P. hexagonoptera
5 - P. polypodioides
6 - A. marginale
7 - B. simplex (?)
8 - I don't know what
9 - Some Mrs. Barnes found in a cell
none of them fructified
10 - P. Dryopteris (?)
11 - A. filix fœm (?)
12 - W. Virginica (?)
13 - W. angustifolia (?)
14 - Dawning of Pellæa (?)
15 - P. atropurpurea (?)
No. 4 I always
thought it be P. hexagonoptera
until I found No. 3 they are

unlike as you will see the fronds so remote in No. 3 and it has a strong odor of Coumarin. I think if you crush those poorly pressed ones in your hand you will get the odor. Certainly No. 5 is P. polypodioides — isn't it?

No. 8 we have never found any fruitful fronds of — have you seen them?

No. 9 do you think a Dryopteris or have you never seen (like as I say fruitful fronds of that?

Is all of No. 10 P. Dryopteris or is some of it the var. calcareum?

11, 12 & 13 were sent to me from Florida last season by a friend who knew nothing of Botany — consequently the fronds were all sterile. I should like much to know what they are if you can tell me.

No. 15 I think it be all P. atropurpurea but so many of my friends I have identified that it must be another species I thought I would ask you.

Please excuse all the questions but how am I to progress unless I bother some one with them? So far, excepting the aid Miss Dodmer has given me in the beginning with

venation, and the two latter in the sub genus where some of the veins form areola; the areola were plainly to be seen on my California, not so plainly on intermedium still there were some near the rachis, & none could I find on the other two. It merely placed falcatum as a variety of vulgare, and does it differ enough from it for that?

When I look at my window boxes I can almost believe that Spring is coming, for in them are Hepaticas, Coptis trifolia, Smilacina bifolia and Mitella diphylla

Syracuse,
Feb. 2-4 1877.

Mr. Davenport.

I have just received your express package this evening, and am delighted with its contents so far as I have examined them; Miss Lawrence's package I did not open and shall send to her tomorrow morning, but the other one I felt at perfect liberty to as it is for one of my most intimate friends, and I know how well pleased

she will be.

Mrs. Barnes shall receive her portion of the treasures tomorrow, and she I know will be as much gratified as I with your kind remembrance of us.

I received yesterday from Mr. Suttenberg of W. Va. a letter containing specimens of two ferns, one he says is "Asplenium Ceratitum" from Jamaica, and that he has no fruitful fronds of it - Enclose in this one (of the two he sent me) for you as I see it is classed as one of your desiderata, hoping however that you may have received better specimens already.

The Asplenium Rutamuraria was from Miss Biddlecome, who wrote me afterward that she had sent you specimens of it.

Received not long since a package from Mr. Howell, and in it was "Polypodium falcatum", then I thought that I would try to see if I could understand the differences between the four species vulgare, falcatum, Californicum and intermedium; I find in Hooker's "Synopsis Filicum" the two first put in the sub genus with free

in bloom, but outside the windows the snow lies in many places four and five feet deep, still everyone predicts an early season and I trust it may come as I can not get out doors much until it comes so gain very little strength.

Were you successful in warding off the fever or did it come in spite of all you could do?

I was glad to know what "Asplenium Bradleyi" is but trust that you did not sot

yourself to send
me the specimen.

I have written to several botanists mentioned in the new "Naturalists' Directory" offering to exchange with them, should I be fortunate enough to receive anything new and that you should desire I shall be happy to send it you.

Believe me
Respectfully and gratefully your friend

Mary C. Rust.

the neat, whereas the little one (you think may be Lunaria) is found on the Jamesville Road, on the eastern slope of the hills that bound the valley on the east, making the two species eight or ten miles distant from one another. The Lunaria (?) grows on limestone rocks mixed in with Antella, Isatella, Mosses and numerous wild flowers, it is damp and well shaded where they are, but the Matricaria Chamomilla grows right out of the shale with very little shade and nothing but a few rosy trees and a little grass for its immediate

Syracuse,
July 31st 1877.

Mr. Davenport,

I received your postal after sending my last very incoherent letter.

The excessive heat of the past week combined with the nervous anxiety about the strike caused much illness, in my own family my husband, two children, and two servants have been quite ill, they are

all better now, and I hope soon to be able to go to the woods again.

It is so peaceful here now that you would never imagine that we had had any trouble, but we all feel that it was the presence of the New York 5th regiment that saved us from a riot.

I hear through Dr. Barnes that his wife has found some new ferns in the North Woods. I am sure I hope that she has for she is so enthusiastic I love to have her fortunate.

All the little Botrychia which I have sent you, and which Prof. Eaton decided to be intermediate between Lunaria and matricariæfolium came from the same locality as Mr. Mundy's - I found the first one there in 1873 a year or two after Mr. M. found his which he sent to Prof. Gray. There are no other Botrychia near them excepting B. Virginianum; we only find B. matricariæfolium in Mount Tredy's Gulf growing out of the Marcellus Shale on the western slope of the hills that round Onondaga Valley on

31 July 1877

neighbors, it is very hard to get up the roots of either species, and I think we always break off more or less in taking them up. They seem to spread and think so deep, and sometimes I am inclined to think that they are more or less parasitic their roots seem to cling so to the roots near them. When one tries to dig the matricaria folium out of the shale, the shale seems to slide in about as fast as you can dig it out.

I have found plenty of Onoclea sensibilis var. obtusilobata, should you care for either living or pressed specimens of it I think that I can send you all you could desire of it, and should be very happy to.

Respectfully yours,

Mary C. Rust.

delight roving that she would not tell me what it was until I found one like it for her; I searched a little but could find no more and told her that she might keep it if she would only tell me what it was, and she did me looking about it and she (saying that she did not believe any descendants would ever forgive her for accepting it. I went again the next year for it and found none, Mr. Mundy finding two that year, but

1

Syracuse,
Nov. 14th 1877.

Mr. Davenport.

I received your postal a few days ago.

Of course I have no means of judging of Bothyshia if the knowledge of them is only to be gained through German authors, as I possess neither their books nor any knowledge of their language; But I suppose that the great distinction

between "B. lanceolatum" and its variety "lunarioides" was the size. Very many specimens as small as those I sent you were fructified and I will enclose in this one still smaller which is fructified.

Friday I received from Mr. Beggett the "Bulletin" containing Hom's paper on "Botrychium Lunaria in New York State" and was rather amused to find that Mr. Hosmer was the first person who found it here, as I had always supposed before that I was - though I care nothing for having the credit of it. Mr. Hosmer went with me in June 1872 to pass the day in the woods, and to try me on all the ferns we found to see whether I could identify them and name them, as we were returning we stopped for a little while in the spot where we find B. Lunaria, and I finding what I supposed was a specimen nearly destroyed by insects said to her "What rare fern is this?" and when looking at it she gave a shout of

18 Nov 877

I believe that every year since I have found a few. Miss Holmes thought at first that it was "B. Lemoria".

I have at last received sample sheets of Prof. Eaton's work; I see much enjoy his part in it, but am disappointed in the plates as the coloring seems to me anything but true to nature, and the drawing of the pole-pendulum certainly is not correct; But there are many of us who will be delighted to get it, and

would be even if it were blate tea.

We had a thunder-storm here last night, and today it is snowing, but til now it has been a remarkably mild fall.

Do you consider "B. boreale" as a variety of "matricaria foliosa"? I judge so from the "Synopsis Filicum", and if so what distinguishes it?

As ever
Respectfully yours.
Mary C. Rust.

She lives in Galena, Ill.
I fixit wrote her last
April, seeing her name
in the "Naturalists' Direc-
tory", not a word did
I receive in reply until
a few weeks since when
she sent me word
that she had received
these ferns and showed
like to exchange with
me, so we have made
our first exchange, and
I trust that she is as
well satisfied as I am
with it.

I was much
obliged for the "Bulletin"
which you enclosed
with the ferns you
returned to me, I have
subscribed for it for this

Pawnee,
Jan. 28th 1878.

Mr. Davenport,

Dear Sir,

Received your letter this
morning, and was
quite pleased that
my guesses were in
the main correct; also
delighted to find that
I had C. myriophylla
which I had long
since given up for
expecting to see.

If I had an
Arizona correspondent
I should be most happy
to introduce you to

him or her but I have not, still I have written to the lady who sent me the Arizona and Arkansas ferns, telling her that I should give you her address, and that probably you would write to her concerning them. I wrote to her asking for the localities and collector's name of the Arizona specimens, and she answered saying that she would write to her friend at Camp Grant and see what she could find out about them for me, but that her friend (an officer's wife) was in ill health so she supposed that probably some common soldier collected them for her - if so he must have had remarkables well trained botanical eyes to have found those ferns, for it ordinarily takes one about a year to get every new coach-man we have so that he can tell a fern from anything else, unless I get out of the carriage, and point it out besides coming to it. I don't know but that you will begin to think my correspondents name Thos. Betts Harris, but it is not, it is Mrs. Sarah E. and

28 Jan 1898

Fragile may be only "Pteris aquilina", and the reason that it looks odd to me be because I see only bits of it. It was sent to me by Mrs. Pearson from Fort Sanders, Wyoming, last Spring with some "W. scopulina" which she said an officer gave her. She promised to try and get me some more ferns during the summer but as Mrs more came I suppose that she failed to find any.

Respectfully yours

Mary E. Rust

Alex, and had received the number, and was trusting that another season I might be able to tell one Botrychium from another at least by their fronds. Thanks to you.

The variety of "B. ternatum" that we have found most plentifully in this county is what you call "forma Europaea", variety "obliquum". I showed one was about as rare as "hippocrenum".

I have seen some of Mr. Williamson's things, and much prefer them to the colored

plates in Dr. Gatrel's work, of course I knew that you were not at all responsible for the manner in which any of it was done, but it seems a pity that what is to be, I suppose our standard work on Fungi should have so unnatural looking illustrations; and another time what does he mean by putting up all the genera so that to get the different species of a genus one will have to go through the whole work?

I am pleased to get Miss Peters's address, and shall write her again as she kindly requested me to do if.

I have two more forms I should like to send you (and will) to see what you say of them, one was sent by Mr. Lemmon labelled, "P. cruciferarum var. brachypterum Side Mt. San Bernardino 1000 ft. J. G. L. 1876"

It was among some that is true "brachypterum" but at the time I wondered a little if it were not "cruciferarum" and not the variety - now I imagine it is "bella" as I see that it is uncommon - please tell me if you can what it is. My other

chapteros and "15."

Bella, "16" is unknown under which Weightman a cones and "21" is [illegible]. The description of "Bella" is "Ch. 3 in. naked, shenoous; fr. 5-6 in. l., linear, bipinnate or subtripinnate; pinnae numerous, crate, sessile, 4-$\frac{5}{6}$ in. l.; pinnl. 4-6-jugate, linear-oblong, $\frac{1}{2}$ in. l., mucronate, rounded at base, lower sometimes orbiculous; surfaces dull-green, naked; veins obscure, immersed." and in a note under it says "Near the last (which was Pachyptera), but in much smaller, & tender, with more numerous and shorter pinnules." Now it

"fine or [illegible] inserted in [illegible]."

a) [illegible]

[illegible] which is determined [illegible] that, as we think [illegible] the little flower [illegible] which [illegible] with the latter.

I think that I have a decided fancy for the minor flowers and that is "Arbutus"; the first time I saw one in, or rather gathered it, was in Boston, that and at Trees, we found it on a round;

alongside under
huckleberry bushes.
And a few years ago
she found growing
here in a swamp
with "Polytrichum" and
"Sphagnum" for a back-
ground, once it was
reported to be white
though we find a little
delicate pink among
it. My oldest daughter
made me a Christmas
present of a marble-
topped table on which
she had painted a
wreath of "everlastings," red
and yellow; and that,
with a black silk
fan which she has
lately painted for
me, are the pride of
our hearts. In the
"Flora" it is spoken of
"Rhodora, pyramidal (and
pioneered), a few umbelliferous
Lessingfolias, and a "Grain-
field American." In
Gray she says that
she shall publish as
a means of this wild
plant, for one as
she can, so I shall
take more pleasure
than ever in going
in search of them.
It does not
seem to me that
there is anything
very definite about
"Rillea vella", but in
my "Hooker and Arnott"
"Ly" is underglaze, in
the appendix, "Ly" is [illegible]

March 1878

seemed to me that the phenomena which I sent you, from Mr. Simmons, exactly merited this description.

We shall be much disappointed if the results of your share of the work on "B. Vacatum" is not to be satisfactory, and if so it is a pity we could not have had it separately as we have had "B. Sanfelix".

Since you mention Editor Davies if you have heard from him, read the Weil

to the world
we thought it near from
you, and that the
most pleasing to see of
other, would not interest
her dear friends
still further in our
[illegible]

Mrs. Barnes returns
her bright and well
but healthy has
had no news again, and
[illegible] in good
[illegible]

Very affectionately yours,

Mary O. Rand.

among them are both "Polyrodinus," I enclose in this one of the smallest "Phymulas" and you will see if you can find a segment that it has both pellucid and forked veins, the main differences between the two that I can see is that "pectinatum" has a broader outline, and its veins are obscure (or rather blackish) in where they fork.

In haste
Sincerely Yours.

Mary E. Rudd.

I was very glad to hear that your daughter was better, and as pleasant weather is now coming I should hope for her speedy recovery.

Yarmouth,
May 4th 1879.

Mr. Davenport,

I received your letter day before yesterday, and soon after was a telegram announcing the death of one of my aunts in New Bedford, where I expect to be tomorrow afternoon.

Yesterday I had a severe nervous headache caused by the excitement and the confusion of getting my family in order to leave

To day I am feeling so weak that I only write to assure you that I knew nothing of Mrs. Myers' having written to you about the B. Seminary, and that I never supposed that you were intentionally unjust to me about the notice of it. It is but as I supposed that Miss Doomer assured you that she packed it herself. Mrs. Myers seems to have taken the matter much more to heart than I have and I know has done so with the kindest intentions toward me.

But sometimes I feel a little like praying to be delivered from my friends. I sent Mrs. M. your letter and told her that I showed it to you.

Should I return by the way of Boston I shall endeavor to call on you and hope if possible to catch a glimpse of your collection, but if it be not perfectly convenient for you do not hesitate to tell me so when you see me.

Miss Reynolds has just sent me a large package of ferns,

Syracuse,
Aug. 11th 1879.

Prof. Gray,

Your letter is just received, and as I drove out yesterday to see could I find any more of Mrs. Church's Orchid, and found a little more I thought I would like to send you another box to-day.

I only got the one I sent you with roots as I do not wish to uproot it, but thinking that you might like

it in your Botanic Garden thought I would get that one for you.

Prof. Peck wrote me a few days since that he thought it to be a slender form of Epipactis latifolia, but he wished that if I had another specimen I would send it to you, but I should think the species "Helleborine" fitted it better for it certainly looks quite like a slender plant of Veratrum viride, and I thought so when I first saw it.

In great haste and with very many thanks

I am
Respectfully yours,
M. C. Read.

fully ten miles
from the one I dis
covered, on the Jamesville Road June 17th 1872, but as it is on her father's farm we few who identified the fern for her are not going to make its habitat public, and also we do not wish it uprooted as I fear it is soon to be in my station.

Believe me as ever,

Gratefully and Respectfully Yours,

Mary Olivia Rust.

(Mrs. Stiles M. Rust,
112 E. Genesee St.
Syracuse, N.Y.)

Syracuse,
Aug. 19th, 1879.

Professor Gray,

I have waited to answer your last letter until after our monthly club meeting, which took place last evening.

I wanted to see what the other ladies desired as to the notice of the new Orchid, and I found that they all agreed with me in thinking that we should be under great obligations to you would you write

and send the no-
tice to "Coulter's
Botanical Gazette". We
none of us have any
works in which Spiraeanthis is described except-
ing that I find in
my "Le Maout and Decaisne"
that it comes in the
same Tribe, Neottieae, with
Goodyera, Listera, Spiranthes
etc. when I should have
supposed it much nearer
Calypso (though I have
never seen the latter)
as the author says "terminal
like a lid over the stigma",
the lip was "saccate" and
we thought the column
"broadly winged"; noted
its lack of root-leaves
and its fasciculed roots
be the only reasons
for its being em-
braced under Tribe Neottieae?

Have you any
one book that you
use especially for iden-
tifying Orchids and
if so will you be
kind enough to give
me its title?

I know that
I sent you Triglochin
maritimum. I thought
that it might interest
you as coming from
our Onondaga Lake
shores.

A young lady
friend of mine has
discovered a new
station for "Botrychium
Simplex", it is

112 E. Genesee St.

Syracuse,
Oct. 7th 1879.

Mr. Davenport.

I was glad to hear again from you today I have felt worried quite often since my return from Boston to write to you, but as you told me that you felt that you should be obliged to give up all botanical correspondence for the present I thought that you might consider it presumption on my part.

very fortunate, our last find being the rediscovery of the original station given by Porsh. for Scleropanthus, in this country. I will send you one of our daily papers containing a notice of the articles contained in the Bulletin and Gazette and a notice of our last good fortune added to it, I suppose this latter was contributed by Mrs. Myers but am not certain as I have seen little of my botanical friends for the past week as my house is filled with company. and on that account

I shall be
pleased to have you,
if you will, send
your extra copy of
the Bulletin to Miss
Hosmer; I do not think
you have brought
yourself into discredit
at all among your
Syracuse friends though
accepting Miss Hosmer's
version of the finding
of B. Linaria it was
very natural that you
should have done so.
but I do think that
our lady friends have
lost much of their
respect for Miss H. since
they have known that
she laid claims to
having found the fern. I
wavered when I
wrote the article con-
cerning Miss Eddie good
fortune whether I should
or not make any men-
tion of my first finding
it or not, and
then as all my friends
urged it I consented,
thinking that I should
thereby take the responsi-
bility on my own shoul-
ders and that you
would be no further
annoyed by it. I am
willing now if you
prefer to get another
number of the Bulletin
and send to Miss Hos-
mer.

Certainly the Syracuse
Botanical Club has been

7 Oct 1879

all the little house-
hold cares I have
not failed for occupa-
tion.

Mrs. Hill told
me of your kindness in
taking her to Horticultural
Hall, where she enjoyed
studying into Orchids.
I think that she has
probably made a finer
collection than any of
us, for your kindness to
her, to many other of my
friends and to myself
believe me very grateful.

Respectfully your friend,

Mary Olivia Rust.

I can do nothing for
a few days about the
"pectination", but will
as soon as I can,
when I next write
will send you a
specimen of "Scolopendri-
um vulgare", Pursh, from
its original station on
the Geddes farm and
with it a specimen of "B.
Lunaria" from the
same locality.

I hope, simply be-
cause we have been
fortunate in finding
several treasures, that
Botanists generally will
not get too exalted
an idea of our merits.

the knowledge of the club is yet far from profound not at all equalling its enthusiasm, but we seem to have no drones among us, all seeming anxious to do their shares of the labour, I can tell better when the year is finished how well they have been done; I know that I have worked very hard at my own paper, have done much reading and devoted many hours to it, still it is very unsatisfactory to me, and I suppose all my friends feel much the same about their own.

I wish you could have joined some of our late excursions, we have been to so many beautiful spots and found so many beautiful plants.

I have been getting a collection of N. S. Jerms together this season to send to New Zealand, for which I am promised one in return, I have occasionally gone over to give the club a lesson when they have had any especially difficult specimens to analyze, have worked on my own paper so that with

Syracuse,
Nov. 8th 1879.

Mr. Dorenfort

Please do not think me very remiss in not writing to you. I shall so soon as I have any strength. I am having a touch of my old Dysentery, Malarial Fever, and can hardly sit up long enough to write a letter had I the strength for it.

Thanks to you and all other kind friends for the encour-

agement given us ladies of the "Syracuse Botanical Club". A few other botanists are getting an exaggerated idea of our merits, but certainly whatever credit is due us is mostly due Mrs. Myers who was the originator, is the teacher and Secy. of the club.

Gratefully & thankfully
Your friend,
Mary G. Rust.

Syracuse
Feb. 6th 1880.

Mr. Darwin Scott.

I received your letter this morning containing the "B. lancelatum", and thank you for so kindly remembering me.

I was sorry to learn that you two were rather "under the weather". I anticipate nothing else for myself during the cold months, it is over seven years now since I

me all experience in trying to teach Pilicts. And if you had good uncolored generic plates they do give a clearer idea of differences in form venation etc.

Let me wish you "bon voyage" and a short rule on this last undertaking.

Poor Mrs Myers still remains nearly helpless from Rheumatism but I am happy to say that she suffers little now.

Very Sincerely Your friend,

Mary Olivia Rich.

have passed a
comfortable winter,
but I consider myself
very fortunate this one
to be able to be up
nearly every day, and
to drag my (nearly
honest) wound so
that in a measure
my duties are not
neglected.

It seems to
me that your "Hand
Book" would meet
the greatest want
of all American Ferns-
lovers and students.
and I do not see
how it could fail
of being a success;
I hope you may
not only propose it
but that it may
be printed and
we all be able to own
a copy of it.

It is just
as you say of Prof.
Eaton's work, it is
too expensive (to be
popular) too bulky to
be convenient, and
I will add too un-
systematic to be of
any practical use
to beginners. For
all ordinary use I
find my "Synopsis
Filicum" much more
satisfactory than
Eaton's "Ferns of N. A."
The first part of
your work would
meet a want that

Should you have plenty of duplicates of the rare ferns you received from Arizona will you kindly remember me?

Mr. Underwood lately wrote to me, and is in Abingdon, Ill.

We have lately purchased a set of Hawaiian ferns from Prof. Gustavus Fattenberg, Erie, Pa. for $8.50 for a hundred different species and a few varieties, they are beautiful specimens, and should you not already have them in your Society I am sure you would

Grande
Mar 9th 1880.

Mr. Davenport,

I am sorry that I should have been obliged to let a fortnight pass without answering your letter, especially as you may have been in a hurry for Mr. Underwood's address, but I am so driven with household cares at present that I can get little time for writing, in addition to everything else have been obliged to change three ser-

ants during the
past week.

The leaves have
matured forth so rapidly
on the trees and every
thing is so enticing
out-of-doors it is
very hard for me to
resist the temptation
to stray woods-ward.
it has been many
years since I have
spent so little time
among my favorite
haunts as this, in
fact I hardly know
what the Syracuse Bo-
tanical Club is doing.
only that it is
holding weekly classes
and that I have
been once to the woods
with them.

We have yet
seen nothing of the
appendix to Prof. Eaton's
book, I think it
may come. I wish
to be that we might
have the extra number
containing the four
new ferns I should
suppose that all the
subscribers would prefer
to pay for it and
that Prof. Eaton would
prefer to give it so
that the work should
be as complete as possi-
ble.

I am waiting
impatiently for the
description of your new
fern.

think them well worth twice the price. Prof. Guttenberg also sells single specimens at from 10 to 15 per specimen. They are neatly put up and labelled.

Mrs. Barnes' four children have all had Measles but are now nearly well. Mrs. Myers' are in the midst of Whooping Cough. Minnie & I am grateful to say keep well thus far.

Respectfully Yours,
Mary Olivia Pratt.

gaged setts of him?

I heard at one time that Mr. Underwood was about compiling a botany for schools but of late have heard nothing of it. I thought at the time that the young man might study Gray's with profit and would hardly surpass Prof. Gray should he make the attempt. I never saw him but once and did not think then that he had progressed far in the science but he may have done much in a few years.

Yours Very Respectfully,

Mary C. Rust.

Syracuse.
May 16th 1880.

Mr. Davenport,

I have never kept anything sent me for P. Balcarea as I could see nothing to distinguish it from our own P. Dryopteris, which varies much in size, color and cuttings. it sometimes has a few glands upon it, as many as any of the specimens sent me have had.

I have gotten entirely through appealing to Prof. Eaton when I get into any

perplexity about a specimen for all the satisfaction I get amounts to about it is so for I tell you it is which may be convincing but does not force so to me.

I am very glad that you were the one to determine the new fern.

Should you in the end find that there was no C. myriophylla in N. L. probably Prof. Eaton would have always thought so; he is very slow to accept some species and varieties while others he seems to accept at a first glance, as for instance Mr. Underwood's small D. marginale, we have all collected them but could see no especial difference except the size between them and the larger fronds, in fact there are many little varieties among the large ones.

I shall be sorry should we have to lose Mr. Faxon's figure.

About the New Mexican ferns is Mr. Rusby of N. L. the person who is to collect for you, if so we have already en-

Syracuse,
July 16th 1880.

Mr. Davenport.

I have managed to strain my wrist so that I can hardly write, but want to send you a few fern. roots to see what you think of them, they will go by tonight's mail.

I found just one fertile frond of the Asplenium Filix-Fœmina, what variety do you call it? I found it near

Onondaga Lake
but not in marshy
woods. the Phegopteris
hexagonoptera was
growing near it and
so sweet-scented that
I cannot refrain
from sending it
to you again. there
seem to be many
bright glands upon
its under surface
much like those on
the variety Intermedia
of Fore Hyracuse.
some fronds of which
I also enclose!

Yesterday one
of my friends drove
out to Split Rock
with me and I
think she found
two fronds of
Botrychium
simplex, they are
in press - the
one she gave me
I should like
to send to you soon
to see what you
think of it.

Hoping that
you are well again
and able to devote
some time to ferns
I am
Yours very Respectfully
Mary Olivia Pindt.

I think
Dr. Warren is right
in considering out-door
exercise necessary for
any one afflicted with
Gall Stones, but I im-
agine that I took
a little too much of
it and thereby ag-
gravated the last at-
tack I had. In
fact while Professor
Dudley was here
I went to the woods
and on the lake four
consecutive days and
the next day though
I was in misery went
off on one of the
Club-expeditions, my
husband concluded
that the after effects

Syracuse,
Sept. 2 5th/80.

Mr. Davenport,

I
have been trying
to write to you for
some time to send
you a fern I found
near Norwich in
a field with plenty
of B. ternatum & ver.
obliquum to dissection,
but this was the
only plant of this
peculiar form there
that I could find.

It was a dry
gravelly field and
all of the Botrychia

were small. I enclose one of the largest Polypinnus with the unknown which I will send you by today's mail. I think the veins are flabellately forking in the latter. I have enclosed its root with it. I could see no difference between its bud and that of any other "terminalis". Will you please tell me what it is and return it to me? if I ever find another and you showed care for it you shall have it.

I wish that you might have been with the Japanese Botanical Club yesterday when they went to the Gorge on the Geddes Farm, not that they found anything new but I should like for you to see Pursh's original station for Ceratophyllum, I found one root of it on the opposite side of the gorge from where we rediscovered it last year; if it had not been so hot and I very tired I probably could have found more.

25 Sept 1880

of a botanical spree here as bad as those of any other kind. I think I shall be a little wiser in the future, but it is very disagreable to be always thinking of one's infirmities and guarding against them.

Trusting that your own health continues improved, I am,

Yours Respectfully and Gratefully

Mary Olivia Rust.

will not be for
the next year
or two at least.

My married
daughter is house-
hunting so I antici-
pate a busy time
soon helping her
settle.

Trusting that
you and Dora
family are all
well, I am.

Respectfully Yours.
Mary E. Rush.

112 E. Genesee St.
Syracuse, N. Y.
Jan. 16th 1881

Mr. Davenport.

I
am in the midst
of arranging my
part of the
collection. Mrs. Barnes
and I are to
send to Central Park,
among them I
have put the
"V. Minia" you sent
me for did not
give me the collector's
name. if you know
it I should like
to put it on the
label.

I suppose you
have received some

from Mr. Rusby since he was in New Mexico, and among them what he calls "P. dealbata" is it dealbata or onica? I should think the latter from the shape of the fronds. If you have none of them I will send you one if you will kindly tell me what it is.

We have hired a room of Mrs. Hill (who I believe has called on you) for our club, it is very pretty. She uses it for her kindergarten it has an inlaid wood-en floor, one large bay-window filled with vines and flowering plants, a fire in a grate, our new herbarium-case, which we are fast filling with our Chocorua flora and as you enter the door a large photograph of Professor Agassiz greets you. Altogether we think we have a very pleasant home for our club at present.

We have been working hard all the year, but our work has been satisfactory, it interests the public and I suppose

all of this set of ferns.
Pellaea trifolia I thought was right - if it be not that and some of the primules are quite broad lives in it seem more like some forms of P. atropurpurea is you Hage Wrightiana!
Sent some time ago an order to Mr. Lemon for ferns for several of my friends and my self, saying that if he wished me to pay in advance that I would do so if he would let me know whether he had all of our desiderata or what of them he did have, he answered that he

Syracuse.
Jan. 26th 1881.

Mr. Dameron:
In the first place let me thank you for the catalogue you sent me of the plants in your Middlesex Association herbarium. I was much interested in it in finding so many of the species our own, and very much like the plan of giving the months with their flowers, it is strange that so many of your flowers bloom so much earlier than our own.
About the ferns

taking all the authorities I can muster.
I shall do honestly believe Mr. Rushby's fern to be P. nivea - I not want to enclose the upper portion of a frond (I have some where the frond is twice as long as this bit without the stipe and of the same general outline, with the segments even larger) and one of P. dealbata I lately received from Prof. Harvey of Arkansas (because the latter has as large segments as any I have ever received - in all of my dealbatae the outline of the frond is deltoid, the stipe so much longer in proportion to the frond, the pinnules and ultimate pinnules so much closer together, the stipes and rachises so much lighter than in those sent by Mr. Rushby that if P. nivea and P. dealbata are not the same species I cannot believe Mr. Rushby to be dealbata. Now please tell me why you think it is.

I suppose you have seen the last "Torrey Bulletin" and that Prof. Eaton takes the responsibility of naming misnamed Mr. Rushby's Pellaea flexuosa, which he now calls "P. andromedae folia var. pubescens - Baker". From this I infer (though perhaps incorrectly) that he has named

would soon send the
ferns but has not as
yet — I did not pay
him as he did not
request me to and
as Mrs. Barnes sent
some money to him
last summer and
has never received any-
thing I thought that
perhaps as well for me
to wait to receive the
ferns before paying
for them. I see that
Mr. Lemmon has lately
married, and married
a Tolmaist which may
excuse the delay. He
wrote to several of us
nearly a year ago, tather

demanding we should purchase his setts — we took no notice of it and I then thought that I should correspond with him no further, but I do want his new ferns if I can purchase them at any reasonable price. I have seen neither of the new Polypodiaceae

At our last Saturday's meeting Mrs. Myers read quite an interesting paper from Mr. Rusby on New Mexican Ferns.

Have you ever seen the "Fortnightly" an English magazine? We have subscribed for it for this year and I am hoping that there will be enough of botanical interest in it to make it valuable to our club.

Hoping that your physician will succeed in giving you what will bring you the strength you desire for the coming summer and that you may be able to continue with your work, which we shall all be glad to see. I am,

Yours Respectfully,

Mary Olivia Hart.

1

Syracuse,
Jan. 30th 1881.

Mr. Davenport,

Your letter of Jan. 28th reached me this morning. Since I last wrote to you I have received the package from Mr. Lemmon, who much to my surprise has charged me less than 25 a specimen, but then he has sent me twice the number I ordered, and some of which I had abundance of already.

One of the species

You will find in the package P. Wrightiana from Mr. Lemmon which I should have supposed terrifolia, there were no roots and there was not attached to any root a frond that was pinnate, they were all ternate like the one I send only that has much the widest pinnulæ of any, but with them were plenty of large fronds bearing those in the paper that were pinnate, now if from one rootstock both of these forms spring I should think they were

I most desired Mr. Gray. He had no good specimens of so sent none. I wish you could see the specimens of his namesake he has sent. Hardly a whole frond in the five different packages and when whole sterile and folded together so that you can hardly imagine how it looked growing. Nothoena nivea he also did not send, hopes to get more another season, but sent N. dealbata which I am going to send you with several other forms of his and of Mr. Rusby's hoping that they may be of some use to you. Hardison, and having to request you to return them to me when you are through with them. It does not seem to me that Mr. Lemmon's N. dealbata looks like Mr. Rusby's though very unlike all the other dealbata I have ever received in the type of its fronds but the form is the same. If you consider Mr. Rusby's neither species do you think it a new one? I see nothing in Hooker's & Baker's Synopsis Filicum that seems to suit it.

to abandon your fern book, for we need it and want it to be a success in every way.

Mrs. Fairbanks has made the collection of our Onondaga sedges, she has fifty-one and I think them very fine, there are others she will collect another season. Next Saturday Mrs. F. explains Cyperaceae to the Club. Are your ladies in your association, and if not are there any of the gentlemen who rebel constantly against law and order?

Yours Respectfully yours,
Mary Olivia Rust.

all one thing, not even a relative of one another, but if they are not found growing on the same plant I cant see why they should not be separate species for they seem very unlike.

The Woodsia Oregana is herbaceous, it almost seemed to me that there were three different kinds in mine, one I thought was Oregana, the other two have both surfaces covered with glandular hairs that I thought it must be scopulina

still one form of it looks altogether unlike any Populina I have ever seen — that too I send you.

You did arrange some Pellaea Wrightiana for me from Virginia, but all of that that I now have is private. I knew that P. atropurpurea was not microscopic-pointed but was thinking it more of its general outline.

It is surely very absurd of Prof. Eaton's idolaters to try to keep other botanists from doing thorough work and I trust that anything of that kind would be beneath Prof. Eaton though I do not especially admire him, his work seems so unsystematic and his judgments generally incorrect that I could not think him infallible, as of course no mortal is! Then too from a photograph which he sent Mrs. Myers I imagine him to be pompous and very well satisfied with Prof. Eaton. I had that impression however of him before seeing the photograph from his letters.

I trust that nothing will cause you

business is settled so that she can either go to Buffalo or have him come again that she will be better again.

Mrs. Barnes is about starting for "No. 4". Nearly all of the "S.B.C." are off for the summer and the few who are at home have to work pretty hard at collecting for the absent ones as well as for themselves.

With renewed thanks, believe me

Respectfully Yours.

Mary Olive Rush.

17 Linden,
Aug. 14, 81

Mr. Dreer Dear.

I received a few days since a package from you containing "Ace-ontis bulbs", for which I am very grateful and also for your kindness in remembering me. I had just heard that the fern had been found in Florida.

I trust that your eyes are better, we are

anxiously awaiting your "Seven B.C."
I have found nothing new among Felices but have found many plants new to me this season, among others on our last excursion we found Mikania scandens which was entirely new to all of us. It is very beautiful I think. Lately we found a few plants of Calopogon pulchellus with pure white flowers and among sedges I am astonished at the number of new species we are finding this season. I think our "S.B.C." never were in better working order than now and that it is accomplishing much more than formerly. We were unfortunate in losing Mrs. Myers from our active members and she still more unfortunate in having lost all of her interest in botany - her health is miserable and I am very sorry for her but - I think when her husband's

Then too if there were a different head there would probably be greater variety in the entertainment planned for our meetings and it does seem that I might do other work of more service to the Club. It is now thoroughly organized and in good working order, several of the members quite as good botanists as I am and might easily excel me if they tried.

Mrs. Myers husband is in Buffalo but she is supposed to live in Syracuse.

Syracuse,
Jan. 30th 1882.

Mr. Davenport,

Knowing that you were driven with work and that your eyes were troubling you I thought that you would consider it a kindness to be let alone so have not written before. Not that I have not thought of you often especially this winter as I have mounted all my specimens of ferns for Mrs. Blanchard and my Central Park Coll. &

there are not few of our N. A. ferns that are not in some measure associated with you in my mind.

I am happy to hear that your book is progressing and shall be delighted when it is finished. There are many of us waiting patiently for it.

My personal collections are packed away awaiting the time when I dare undertake putting them in order. I have added many foreign species to my

Policies but so long as I fill the office I hold in the "P. B. C." I can hope to do little but work for it and in it. I think strongly of refusing a reelection if offered to me in March, feeling that I have devoted more time than I ought for the past three years to official duties and that it is about time for some of the members who have done nothing to share in the labors resting principally on two or three pair of shoulders out of the thirty

have presided at the weekly Saturday afternoon meetings of the club and part of the winter attended a microscopical class held for the purpose of assisting a few of our members to know how to use our microscope, have taken lists of all new Onondaga species put on our herbarium-case shelves, written many letters and many other minor duties have fallen to my share.

With kind regards.
Yours
Respectfully,
Mary Olivia Rust.

nevertheless much of her time is spent with her husband and she hopes next spring to be able to dispose of her property here so that they all may live together once more. She has seemed in much better spirits this winter and when here has held a fern class weekly at the club rooms. Just at present she is out of the city.

Mrs. Barnes has passed a wearied winter, devoted to ma-

rarial fever. It has been unfortunate for her and for the club as she is our Cor. Sec. this year. She seems improving now and we trust will have no relapse.

It has been a terrible winter with us, so much illness and many deaths among our intimate friends, a great deal of Typhoid fever and Diphtheria. Last week in one day the thermometer leaped up 54° and we have had so variable weather that it was impossible to keep well.

Could you have seen the botanical work I have done this past year you would know that my interest in that science at least does not decrease; all summer I went on excursions once or twice a week, when I always collected anything I thought a little rare for those members who were not present, pressing and naming all such specimens, much distributed them in the fall, when I devoted four days to assorting them; this winter I

Syracuse. 1

Mar. 14th 1882

Mr. Davenport.

I can write but a short scrawl this evening and that simply to thank you for the information about "Purshi" ferns and for your kind expression of sentiments as regards my withdrawing from office - nevertheless I can see that it was the best thing that I could have done for the "I. B. C." to make its members realize that if they wished to continue as a club that

they must show some interest in and take some part in its work. Already several who have seemed for the past three years to be taking a Rip Van Winkle doze are arousing and I quietly laugh in my sleeves but hear them say what we must do. I am sorry to see however that the most competent in all respects will not accept the offices they are desired to fill, but should each member resolve to do her best it would make little difference about the officers.

I shall write again after next Monday when I shall feel myself a free woman until then "au revoir" with many thanks.

Respectfully Yours.
Mary Whitcomb Rust.

It seems to me selfish in your members not to allow you your time and eyes for your work. Mrs. Myers is our President, Mrs. Scott (the lady we all wished for our Pres. but she would not accept the office) our Vice-Pres. (Mrs. J. J. White (Mrs. Stills' sister) our Rec. Secy. and the other officers the same as last year. I think as a whole we have never had better officers and just at present there seems to be an awakened interest among the members, they appear to

Syracuse,
Apr. 2d 1882.

Mr. Davenport,

I have been ill since I last wrote you, threatened with Pneumonia, which leaves me weak and shaky still.

I was very grateful for the Polyphodium Swartzii and trust that you may succeed in getting perfect Fern Specimens. it must have been very tantalizing to get where bits of those long desired species. Why, oh why isn't it

not so easy to
try to do things well?
There appear before my
mind's eye occasionally
several of the collectors
in our Onondaga her-
barium that I can't
think of without
wanting to thank for
the collectors. Last
year I meekly suggested
to the ladies, in assign-
ing them their work,
that if any of them
wished to substitute
more perfect and better
pressed specimens than
they found they had
in their collections
that I should be delight-
ed to have them do so.
Very few availed themselves
of the opportunity
and those who did
were not those who
had the miserable
looking collections. I
have tried to manage
to substitute improve-
ments but that I
can't do without of-
fending - perhaps some-
time there will be
a way opened, there
are several of us aching
to assist in it.

Our annual
meeting passed off
very pleasantly (all
prognostications to the
contrary notwithstanding)
and I am as I
think you should have
been glad from office.

CA 1882

with their instru-
ments.

I hope to make
a specialty of mosses
this season.

Tomorrow evening
a special meeting has
been called for assigning
the work for the
coming year. I under-
stand that Mrs. Myers
is in Buffalo but
she has probably planned
all her work before
leaving.

The French Catho-
lics are passing the
house with bits of true
palm leaves (they were
sent from the South) in
their hands.

Respectfully Yours,
Olivia Rust.

realize that if they
wish a chit they
must show some in-
terest in it and
work for it. By "they"
I mean the majority
and not the minority.

I think if I
could reach it I
should find the May-
flower in bloom. My
Hepaticas in my garden
are in bloom and I
am longing for a tramp
through the woods,
but as I can't breathe
very well and our
country roads are
horrible I am trying
to be patient.

Mrs. Safford said that she should be happy to receive the Sacentia lanceolata at any time it was convenient for you to send it, and that she meant to write to you.

You have probably seen in the March Bulletin a list of our last season's finds. I gave the list to Mrs. Barnes last fall to add to a report she proposed sending Mr. Gerard, but owing to her illness she deferred it and has now it seems simply sent him any list of what we found of especial interest to us last season not this for we have more of us attempted exploring this far.

Next week there is to be a Microscopical soirée held for the benefit of the "House of the Good Shepherd". We have been requested to loan our microscope for the occasion, when it will probably be manipulated by Prof. Dudley of Cornell. We are participating a delightful evening, many fine microscopists are coming from out of town

But I know with
weak eyes how impossi-
ble it is always to do
things at the times one
sets for them.

I am thinking
somewhat of purchasing
a dissecting microscope
which can also be chang-
ed into a compound one.
I hesitate on account of
my miserable eyes. But
if when they receive
them here I showed
like them I think the
temptation will be
too great for me to
withstand.

To-day for the first
time it is really warm
and I breathe easier.

Respectfully Yours,
M. C. Rust.

Syracuse.
May 9th 1882.

Mr. Davenport.

I was
happy to do the little
I could for you in
distributing the pack-
ages.

Mrs. Sifford came
over to see what hers
contained, not being
quite sure of all of
her specimens. I told
her that the small
Botrychium (not boreale)
was "lanceolatum". I
was right wasn't I?

Is Professor
Eaton so driven with
work or is he careless

that he makes so many blunders! I should be much pleased with a specimen of Ophioglossum mucicaule from its new station when you have time to send it.

I pity you if you have not yet had time to prepare your lecture, knowing how nervous it makes one to feel that what must be done at a given time has not been started. Since the organization of the "I. B. C." I have made it a rule to do immediately anything that was my allotted portion in it. Otherwise with all the perplexities and cares I have had to encounter in my work I think I should have gone distracted. The first year I assigned myself "Plant Paleontology" to write up. I knew of course it would be the last paper of the course but I began immediately to read it up (knowing very little of Geology) and had it finished and put away before Christmas and did not read it 'til March. My annual reports I have always made out as soon as all the year's collection was in the herbarium case.

Mrs. Olivia Rhett.

Respectfully yours,

Mrs. Olivia Rhett
care Calvin Stoddard Esq.
Mr. Darenport
Walnut St.

Dec. 29th 1882.

Mr. Darenport,

When I received your postal this morning my first thought was "is it possible that I did not send those Botrychia to Mr. Darenport!" I thought that I had done so and am sorry on searching for them to find that I did not.

I have had an unusual burden of cares, my own and other peoples, on

mine and if there there should have been none. It was a purely business transaction, over twenty of the thirty thinking it necessary for the club to have a room where all members could go at any time convenient to themselves to consult the library, examine the herbarium and (if they understood it) use the microscope. We are now in very good rooms for both purposes.

Wishing a "Happy New Year" to you and yours, I am,

on shoulders the past year and it has made me apparently neglectful. For several months I have been very ill most of the time and often suffering very much from Gall Stones. For a few weeks I have been a little more comfortable but meanwhile my first grandchild has come to me and has absorbed most of my time and attention.

And at present our "P.B.C." seems in an unpromising condition but I hope by the next annual election it may show more vitality. A couple of months since Mrs. Myers resigned her Presidency, without having arranged the Printers work, and our Vice-Pres. is an invalid and could not do it. During the Summer the majority of us decided it was best to have a room to use exclusively for that purposes but some five or six were determined we should stay where we were and managed to make a great deal of uncomfortable feel-

Syracuse,
Apr. 2d 1883.

Mr. Davenport.

A little thought when your last letter was received that it would be three months unanswered, but I am growing more and more to feel that all I am certain of is death.

It is over twelve weeks since my husband has been outside the house. He has had a very severe illness with much suffering,

we have the best corps of officers we have ever chosen. Our president, Mrs. Lily Barnes, is young, energetic and checky, while not a remarkable botanist she has executive ability. The botanical work of the club remains as I laid it out and there is so much to be done before that plan is finished that nothing new will have to be devised at least for a year. Mrs. Gifford is corresponding secretary. All seem to realize more that if they

which left him
in so nervous
a condition that
his imaginary ills
seemed more severe
than the real ones
which preceded them.
The first three weeks
I watched over him
alone day and night,
many nights not
sleeping at all or
even sitting down
ten minutes at a
time. Then my own
strength gave out
and I was obliged
to get a strong man
to take my place
nights. For the past
week Mr. Rouat is
so much improved
that showed me
have my mind
neather he showed
take him out to
drive - and now
that the terrible strain
on my nerves is
relieved I feel more
and more tired and
exhausted every day.
I get very school
disgusted with my-
self but supposed I
shall have to be pa-
tient.

We have lately
held the annual
meeting of the "I. B. C.";
the first I have
been able to attend
since last September.
I think, as a whole,

2 Apr 1883

do not wish the club to die & and none are willing it should, that they must work. I shall only be too happy to do my share if my family's health permits me to, otherwise at the end of this year I shall become an associate member. Mrs. Myers lost all interest in the club last fall when she tried to organize an Academy of Science, making the "P.B.C." a branch, and failed. She has entirely withdrawn from us this year. I very seldom

see her and she has never mentioned the Botrychia to me.

I know nothing of Mr. Baldwin of Brick Church - though it is possible that he may belong to an old Syracuse family of that name who moved from here nearly twenty years ago.

We are trusting to your resume for excursions and with them I hope some strength will return to me.

Respectfully Yours.

Mary Olivia Rust.

3-25

Syracuse,
May 28th 1883.

Mr. Davenport,

I read your postal at the last club meeting, several of our members said that they had sent. I believe through Mrs. Lifford for the supplements and check lists. Among the rest of us we should like three more of the supplements and two dozen of the check lists, which if you will send them to me I will see delivered.

We had a delightful trip to Scolopendrium Green Lake, Saturday. I

my husband is better or I should not leave him to go, still he is not strong and does not go down into the city to attend to business at all.

Believe me,
Respectfully Yours,
Mary Olivia Rust.

found for the first time Corydalis flavula and great mats of Viola striata with large cream-colored flowers, but I never even saw a frond of Scolopendrium as I fear that it is entirely uprooted there. On our way there on the Jamesville Road we saw beautiful vines of Clematis verticillaris and brought home some of the roots to plant hoping to make them grow in our gardens.

If you saw the last Torrey Bulletin you probably learned through it that Father Wibbe thinks, however, of Lucius swamp. Where he could have entered it to have found so little I can't imagine, but as he mentions the guide's finding his way out by the Centralis whistle I think it must have been at the eastern end, the least interesting part of it. Still we have found treasures even there. He seems to be afraid of snakes and he told the worst mouth, July, for rattlesnakes. We purpose spending a day there this week.

I feel very much better since I got with the woods and of course

should like but
I am very happy
to be up and able to
join my botanical
friends again.

Very Respectfully Yours,

Mary Olivia Rust.

Is there any
way of obtaining most
of the new ferns mention-
ed in your Supplement?

1

Syracuse,
June 4th 1883.

Mr. Davenport, The
Supplements and Check
Lists have just come
and you will please
find enclosed in
this .80 which I owe
you. I had no idea
that they were yet
printed or should
have sent the money
when I sent the order.

We passed a delight-
ful day in Cicero Swamp,
Saturday, although owing
to the heavy rains we
have had lately there
was much water stand-
ing in it. I never saw

Kalmia glauca so beautiful or plentiful before and there was an abundance of Menyanthes trifoliata, so that each of the fifteen in our party brought home large bouquets of it. Ledum latifolium and Andromeda polifolia were just coming into bloom. Ranunculus Purshii was plentiful also Cardamine pratense, Smilacina trifolia was in full bloom, a few Calla palustries and the pitcher plant in bud. The only thing I found new to me was Nemopanthes canadensis in bloom I had only seen it in fruit before. There were several Vaccinia in bloom and on our way home we got great bunches of pink and blue Lupinus perennis. We intend to visit it again in about a fortnight when we hope to find it drier so that we can investigate it more thoroughly. Not a snake was seen or heard.

I am glad you have gotten thus far on your work and hope it may not be long before your fern book shall be published.

My husband slowly gains his strength. Annie does not come as d

the meetings when it is possible for me to do so. I cannot accomplish at all what I should like to for them but I do what I can and try to inspire the others with the belief that we are too well started and have done too much to give up now. When this year's collections are all placed in our Onondaga herbarium it will contain nearly nine hundred specimens aside from some seventy mosses I have added to it. We had a very diverse season for collecting last year, so

Syracuse,
Jan. 28 — 1884.

Mr. Davenport,

I think I have not written to you since I very probably consented to fill the office of Cor. Sec. for the "S.B.C." for the rest of the year.

Mr. Clifford was obliged to resign the office, last fall, on account of ill-health. When I took it I proposed writing to all of our Hon. & Cor. members hoping to hear from them, in return, something of their botanical pursuits

and of the welfare
of their clubs should
they belong to any.

My plans have
been badly interfered
with by the severe ill-
ness of my husband
and my being quaran-
tined for six weeks
with my youngest
child, during a siege
of scarlet fever - however
I feel well satisfied
as neither of my other
daughters took the
terrible disease from
her and she shows
no bad after-effects.

For that my
patients are both con-
valescing finely I feel
that I should like
in a measure to
carry out my first
intentions and shall
be greatly obliged if
you will write me
anything of interest
concerning your Middle-
sex Club.

Are you work-
ing away on your
special work?

Our "S. B. C." has
changed greatly through
the indifference of some
of its members, the ill-
health of others and
the change of residence
of a few. I feel as
though I were among
strangers when I
meet with them now.
But I always attend

28 Jan 1884

much bad weather that few of the excursions planned could come off. Those few were very satisfactory however. We have been holding weekly Saturday meetings this winter, the alternate ones for botanical readings, when three of us would read and the rest sew for the afternoon. Those I attended were very pleasant and I suppose I have lost the best - one on Algæ when some beautiful slides were shown under the microscope and a collection presented to the club, which were collected last year

at Martha's Vineyard.

Hoping that your own health and that of your family has been good since last I heard from you, I am

Very sincerely yours,
Mary A. Bira Rust.

Mrs. Stiles M. Rust,
112 E. Genesee St.
Syracuse,
N. Y.

UNIVERSITY OF NEBRASKA.

DEPARTMENT OF BOTANY.
CHARLES E. BESSEY, PROFESSOR.
ALBERT F. WOODS, ASSISTANT.

LINCOLN March 14th 1891.

Dr. Sereno Watson
Cambridge Mass.

Sir:

At the suggestion of Dr. Bessey, I write to you. If you could kindly give some informations, you would do a favor to me.

Last summer I found a few specimens of a Chenopodium, growing at the border of the woodland surrounding the Hackberry Springs in Dawes Co. Neb. It is somewhat like a slender, broad-leaved form of Ch. album. The leaves are rhomboid ovate, hastate, somewhat threelobed, threeribbed, thin, on slender petioles; the larger 1½ in. long, 1 in. wide, somewhat mealy below. The flowers are small, mealy, in few-flowered clusters from the upper leaves; sepals carinate. The fruit is

unknown to me, as the specimens are to young. I find my plants strikingly resembling Ch. opulifolium Schrad. (not Ch. opulifolium Dreg. which is a variety of Ch. album) from Middle Europe, of which we have specimens in the Herbarium of the University. My plants fit very well the descriptions of Ch. opulifolium, Schrad, as given in Gremli's Swiss Flora, in Koch's Synopsis Floræ Germanicæ, and in Moquin's monographs in De Candolle's Prodromus, Part XIII Sec. 2, pg 67. In the latter work Moquin cites it for North America, the specimens being preserved in Herb. Vindob. I have not, however, found Ch. opulifolium mentioned, even as a synonyme, in any of the American Works of Botany we have here, not even in your excellent Revision of the North American Chenopodiaceæ.

The description of Ch. Fremontii might also apply to my plants. There are no specimens

UNIVERSITY OF NEBRASKA.

DEPARTMENT OF BOTANY.
CHARLES E. BESSEY, PROFESSOR
ALBERT F. WOODS, ASSISTANT.

LINCOLN, '89

of it in the Herbarium, to which I could compare mine. If my plants belong to Ch. Freemontii, I do not see wherein this differs from Ch. Opulifolium Schrad. Has Ch. opulifolium ever been recognized as North American, and what separates it from Ch. Fremontii?

Respectfully

P. A. Rydberg.